ROMI®

ELECTRICAL DIAGRAMS

ROMI DCM 620 5X V3.0

PROJECT: **ROMI DCM**

CNC: **SIEMENS 840D SL**

NOTE

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REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15
REL.	MODIFICATION	MODIF.	APROV.	DATE

DESCRIPTION	ELECTRICAL DIAGRAMS		
ROMI®	DESIGNED	FERNANDO	11/09/2013
	DRAWER	ANDREW	11/09/2013
	CONTROLLED	VILALTA	11/09/2013
PROJECTION	SIZE		
A3			
REFERENCE: ROMI DCM	SHEET: 1	SCALE:	APPLICATION: ROMI DCM 620-5X V3.0
N° U14186H			

SAFETY PRECAUTIONS

DANGER

Some accessible component and terminal main retain tension even after being disconnected, which may cause SERIOUS INJURIES and even DEATH.

Some components may produce high temperatures even after being disconnected, which may cause SERIOUS BURNS if touched.

CAUTION

Temperature above the ones specified in the machine manuals may in poor operation of internal components.

This equipment is provide with electrostatic discharge sensitive (ESD) components. Therefore, be very careful and through efficient control try to prevent the generation of static electricity during installation, tests, repairs,etc.

WARNING

Indústrias Romi S/A, shall not be directly or indirectly liable for any consequential damage caused by poor use and/or misuse of the equipment of its manufacture.

Only personnel fully acquainted with the equipment and trained for this purpose, should render maintenance service. Always refer to the equipment manuals.

Special attention should be given when replacing special components as to their removal and replacement method as well as weight and dimensions.

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G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

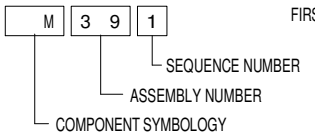
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

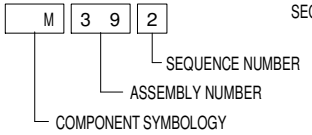
DESCRIPTION	SAFETY PRECAUTIONS		
ROMI®	DESIGNED	FERNANDO	11/09/2013
	DRAWER	ANDREW	11/09/2013
	CONTROLLED	VILALTA	11/09/2013
PROJECTION	SIZE		
	A3		
REFERENCE	SHEET	SCALE	APPLICATION
ROMI DCM	2		ROMI DCM 620-5X V3.0
N° U14186H			

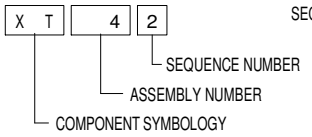
CODIFICATION TABLE

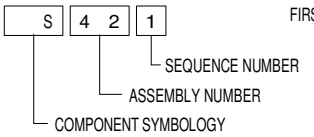
ASSEMBLY	SEQUENCE	DESCRIPTION
1	1 ~ 9	MAIN POWER SUPPLY
2	1 ~ 9	POWER SUPPLY 380VAC
3	1 ~ 9	POWER SUPPLY 220VAC
4	1 ~ 9	24VDC POWER SUPPLY
5	1 ~ 9	MACHINE POWER ON
6	1 ~ 9	EMERGENCY STOP LINE
8	1 ~ 9	OPERATOR`S DOOR - LOCK
10	1 ~ 9	MAINTENANCE DOOR
11	1 ~ 9	AUTOMATIC DOOR / SAFETY STOP
12	1 ~ 9	I/O MODULE
13	1 ~ 9	CNC
14	1 ~ 9	DRIVES POWER SUPPLY
15	1 ~ 9	SPINDLE
17	1 ~ 9	AXES DRIVES
18	1 ~ 9	COORDINATE AXIS - X
19	1 ~ 9	COORDINATE AXIS - Y
20	1 ~ 9	COORDINATE AXIS - Z
23	1 ~ 9	HYDRAULIC UNIT
24	1 ~ 9	WASH GUN
25	1 ~ 9	FLOOD COOLANT
27	1 ~ 9	LUBE PUMP
28	1 ~ 9	AIR CONDITIONER
29	1 ~ 9	CHIP CONVEYOR
34	1 ~ 9	PNEUMATIC TAILSTOCK - SLEEVE
39	1 ~ 9	ELECTRIC PANEL CLIMATIZATION
41	1 ~ 9	LUBRICANT OIL SKIMMER
49	1 ~ 9	WORK LIGHT
51	1 ~ 9	HOUR METER
52	1 ~ 9	SOUND ALARM
53	1 ~ 9	SERVICE OUTLET / USB
56	1 ~ 9	BI-MANUAL START
57	1 ~ 9	CYCLE START/CYCLE STOP
59	1 ~ 9	OPERATING LEVEL
60	1 ~ 9	CODE M INTERFACE - EXTERNAL
61	1 ~ 9	CHIP CLEAN
62	1 ~ 9	TRANSFER
68	1 ~ 9	HELICAL CHIP CONVEYOR

CODIFICATION READING









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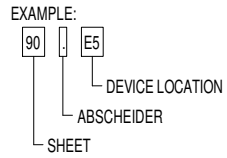

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H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
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C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: CODIFICATION

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	3		ROMI DCM 620-5X V3.0	U14186H

CODIFICATION TABLE

ASSEMBLY	SEQUENCE	DESCRIPTION
69	1 ~ 9	AUTOMATIC TOOL CHANGER
73	1 ~ 9	COOLANT MIST EXHAUST
74	1 ~ 9	COOLANT FILTER SYSTEM
75	1 ~ 9	SPINDLE CENTER COOLANT
76	1 ~ 9	ROTARY AXIS INTERFACE - A
77	1 ~ 9	INDEXING TABLE / INDEX TABLE
78	1 ~ 9	LINEAR SCALE
80	1 ~ 9	STATUS INDICATOR
83	1 ~ 9	PART MEASUREMENT/INSPECTION
84	1 ~ 9	TOOL PRESET
86	1 ~ 9	HEDSTOCK COOLANT SYSTEM
88	1 ~ 9	ETHERNET
89	1 ~ 9	ROTATING AXIS - A
92	1 ~ 9	CLAMPING DEVICE
99	1 ~ 9	POWER SUPPLY
101	1 ~ 9	REMOTE DIAGNOSTIC INTERFACE
105	1 ~ 9	PNEUMATIC UNIT
106	1 ~ 9	PNEUMATIC CLEANING

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
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B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: CODIFICATION

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	4		ROMI DCM 620-5X V3.0	U14186H

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SECTION	SHEET	APPLICATION	
		MACHINE	TYPE
ELECTRICAL DIAGRAMS	1	ROMI DCM 620-5X V3.0	X
SAFETY PRECAUTIONS	2	ROMI DCM 620-5X V3.0	X
CODIFICATION	3	ROMI DCM 620-5X V3.0	X
CODIFICATION	4	ROMI DCM 620-5X V3.0	X
INDEX	5	ROMI DCM 620-5X V3.0	X
INDEX	6	ROMI DCM 620-5X V3.0	X
INDEX	7	ROMI DCM 620-5X V3.0	X
INDEX	8	ROMI DCM 620-5X V3.0	X
MAIN POWER SUPPLY	9	ROMI DCM 620-5X V3.0	X
MAIN POWER SUPPLY	10	ROMI DCM 620-5X V3.0	X
POWER SUPPLY - 380VAC	11	ROMI DCM 620-5X V3.0	X
POWER SUPPLY - 220 VAC	12	ROMI DCM 620-5X V3.0	X
24VDC POWER SUPPLY	13	ROMI DCM 620-5X V3.0	X
24VDC POWER SUPPLY	14	ROMI DCM 620-5X V3.0	X
24VDC POWER SUPPLY	15	ROMI DCM 620-5X V3.0	X
EMERGENCY STOP LINE	16	ROMI DCM 620-5X V3.0	X
EMERGENCY STOP LINE	17	ROMI DCM 620-5X V3.0	X
EMERGENCY STOP LINE	18	ROMI DCM 620-5X V3.0	*
EMERGENCY STOP LINE	19	ROMI DCM 620-5X V3.0	X
EMERGENCY STOP LINE	20	ROMI DCM 620-5X V3.0	X
EMERGENCY STOP LINE	21	ROMI DCM 620-5X V3.0	X
OPERATOR`S DOOR	22	ROMI DCM 620-5X V3.0	X
OPERATOR`S DOOR	23	ROMI DCM 620-5X V3.0	X
OPERATOR`S DOOR	24	ROMI DCM 620-5X V3.0	X
OPERATOR`S DOOR	25	ROMI DCM 620-5X V3.0	X
OPERATOR`S DOOR	26	ROMI DCM 620-5X V3.0	X
OPERATOR`S DOOR	27	ROMI DCM 620-5X V3.0	X
MAINTENANCE DOOR MAGAZINE	28	ROMI DCM 620-5X V3.0	X
OPERATOR'S PANEL	29	ROMI DCM 620-5X V3.0	X
OPERATOR'S PANEL	30	ROMI DCM 620-5X V3.0	X
OPERATOR'S PANEL	31	ROMI DCM 620-5X V3.0	X
REMOTE OPERATOR PANEL	32	ROMI DCM 620-5X V3.0	X
REMOTE OPERATOR PANEL	33	ROMI DCM 620-5X V3.0	X
I/O MODULE	34	ROMI DCM 620-5X V3.0	X
I/O MODULE	35	ROMI DCM 620-5X V3.0	X
I/O MODULE	36	ROMI DCM 620-5X V3.0	X
I/O MODULE	37	ROMI DCM 620-5X V3.0	X
I/O MODULE	38	ROMI DCM 620-5X V3.0	X
CNC	39	ROMI DCM 620-5X V3.0	X
CNC	40	ROMI DCM 620-5X V3.0	X

TYPE: X = STANDARD O = OPTIONAL V = VARIANT E = SPECIAL * = END OF EFFECTIVENESS

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: INDEX

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	
ROMI DCM	5		ROMI DCM 620-5X V3.0	N° U14186H

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SECTION	SHEET	APPLICATION	
		MACHINE	TYPE
CNC	41	ROMI DCM 620-5X V3.0	X
DRIVES POWER SUPPLY	42	ROMI DCM 620-5X V3.0	X
DRIVES POWER SUPPLY	43	ROMI DCM 620-5X V3.0	X
DRIVES POWER SUPPLY	44	ROMI DCM 620-5X V3.0	X
SPINDLE	45	ROMI DCM 620-5X V3.0	X
SPINDLE	46	ROMI DCM 620-5X V3.0	X
SPINDLE	47	ROMI DCM 620-5X V3.0	X
SPINDLE	48	ROMI DCM 620-5X V3.0	X
AXES DRIVES - X/Y	49	ROMI DCM 620-5X V3.0	X
AXES DRIVES - Z	50	ROMI DCM 620-5X V3.0	X
ROTATING AXIS - B	51	ROMI DCM 620-5X V3.0	X
ROTATING AXIS - B	52	ROMI DCM 620-5X V3.0	X
ROTATING AXIS - B	53	ROMI DCM 620-5X V3.0	X
ROTATING AXIS - B	54	ROMI DCM 620-5X V3.0	X
ROTATING AXIS - C	55	ROMI DCM 620-5X V3.0	X
ROTATING AXIS - C	56	ROMI DCM 620-5X V3.0	X
ROTATING AXIS - C	57	ROMI DCM 620-5X V3.0	X
ROTATING AXIS - C	58	ROMI DCM 620-5X V3.0	X
FLOOD COOLANT	59	ROMI DCM 620-5X V3.0	X
FLOOD COOLANT	60	ROMI DCM 620-5X V3.0	X
HYDRAULIC UNIT	61	ROMI DCM 620-5X V3.0	X
HYDRAULIC UNIT	62	ROMI DCM 620-5X V3.0	X
LUBE PUMP	63	ROMI DCM 620-5X V3.0	X
ELECTRIC PANEL CLIMATIZATION / OPERATOR'S PANEL	64	ROMI DCM 620-5X V3.0	X
WORK LIGHT	65	ROMI DCM 620-5X V3.0	X
WORK LIGHT	66	ROMI DCM 620-5X V3.0	X
HOUR METER	67	ROMI DCM 620-5X V3.0	X
SERVICE OUTLET	68	ROMI DCM 620-5X V3.0	X
AUTOMATIC TOOL CHANGER-30-POSITIONS	69	ROMI DCM 620-5X V3.0	X
AUTOMATIC TOOL CHANGER-30-POSITIONS	70	ROMI DCM 620-5X V3.0	X
AUTOMATIC TOOL CHANGER-30-POSITIONS	71	ROMI DCM 620-5X V3.0	X
AUTOMATIC TOOL CHANGER-30-POSITIONS	72	ROMI DCM 620-5X V3.0	X
AUTOMATIC TOOL CHANGER-30-POSITIONS	73	ROMI DCM 620-5X V3.0	X
AUTOMATIC TOOL CHANGER-30-POSITIONS	74	ROMI DCM 620-5X V3.0	X
AUTOMATIC TOOL CHANGER-30-POSITIONS	75	ROMI DCM 620-5X V3.0	X
AUTOMATIC TOOL CHANGER-30-POSITIONS	76	ROMI DCM 620-5X V3.0	X
ETHERNET	77	ROMI DCM 620-5X V3.0	X
PNEUMATIC UNIT	78	ROMI DCM 620-5X V3.0	X
WASH GUN	79	ROMI DCM 620-5X V3.0	X
THERMAL COMPENSATION SYSTEM - WITH LINEAR SCALE	80	ROMI DCM 620-5X V3.0	X

TYPE: X = STANDARD O = OPTIONAL V = VARIANT E = SPECIAL * = END OF EFFECTIVENESS

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: INDEX

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	6		ROMI DCM 620-5X V3.0	U14186H

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SECTION	SHEET	APPLICATION	
		MACHINE	TYPE
THERMAL COMPENSATION SYSTEM - WITH LINEAR SCALE	81	ROMI DCM 620-5X V3.0	X
THERMAL COMPENSATION SYSTEM - WITHOUT LINEAR SCALE	82	ROMI DCM 620-5X V3.0	X
THERMAL COMPENSATION SYSTEM - WITHOUT LINEAR SCALE	83	ROMI DCM 620-5X V3.0	X
HEDSTOCK COOLANT SYSTEM	84	ROMI DCM 620-5X V3.0	X
AIR CONDITIONER	85	ROMI DCM 620-5X V3.0	O
CHIP CONVEYOR INTERFACE	86	ROMI DCM 620-5X V3.0	O
CHIP CONVEYOR INTERFACE	87	ROMI DCM 620-5X V3.0	O
LUBRICANT OIL SKIMMER	88	ROMI DCM 620-5X V3.0	O
CHIP CLEAN	89	ROMI DCM 620-5X V3.0	X
COOLANT MIST EXHAUST	90	ROMI DCM 620-5X V3.0	*
COOLANT MIST EXHAUST	91	ROMI DCM 620-5X V3.0	O
SPINDLE CENTER COOLANT - 7 BAR	92	ROMI DCM 620-5X V3.0	O
SPINDLE CENTER COOLANT - 20/70 BAR	93	ROMI DCM 620-5X V3.0	O
STATUS INDICATOR	94	ROMI DCM 620-5X V3.0	O
PNEUMATIC CLEANING	95	ROMI DCM 620-5X V3.0	O
TOP COVER MACHINING AREA	96	ROMI DCM 620-5X V3.0	O
AUTO POWER OFF	97	ROMI DCM 620-5X V3.0	O
PART MEASUREMENT/INSPECTION	98	ROMI DCM 620-5X V3.0	O
TOOL PRESET	99	ROMI DCM 620-5X V3.0	O
LINEAR SCALE - X	100	ROMI DCM 620-5X V3.0	O
LINEAR SCALE - Y	101	ROMI DCM 620-5X V3.0	O
LINEAR SCALE - Z	102	ROMI DCM 620-5X V3.0	O
REMOTE DIAGNOSIS-3G	103	ROMI DCM 620-5X V3.0	O
REMOTE DIAGNOSIS-CABLE	104	ROMI DCM 620-5X V3.0	O
ELECTRICAL PANEL LAYOUT	105	ROMI DCM 620-5X V3.0	X
ELECTRICAL PANEL LAYOUT	106	ROMI DCM 620-5X V3.0	X
ELECTRICAL PANEL LAYOUT	107	ROMI DCM 620-5X V3.0	X
ELECTRICAL PANEL LAYOUT	108	ROMI DCM 620-5X V3.0	X
OPERATOR`S PANEL LAYOUT	109	ROMI DCM 620-5X V3.0	X
OPERATOR`S PANEL LAYOUT	110	ROMI DCM 620-5X V3.0	X
OPERATOR`S PANEL LAYOUT	111	ROMI DCM 620-5X V3.0	X
OPERATOR`S PANEL LAYOUT	112	ROMI DCM 620-5X V3.0	X
OPERATOR`S PANEL LAYOUT	113	ROMI DCM 620-5X V3.0	X
LATHE LAYOUT	114	ROMI DCM 620-5X V3.0	X
GROUNDING LAYOUT	115	ROMI DCM 620-5X V3.0	X
UNIFILAR DIAGRAMS - REDES	116	ROMI DCM 620 5F V3.0	X
UNIFILAR DIAGRAMS	117	ROMI DCM 620-5X V3.0	X
INPUT / OUTPUT MAP	118	ROMI DCM 620-5X V3.0	X
INPUT / OUTPUT MAP	119	ROMI DCM 620-5X V3.0	X
INPUT / OUTPUT MAP	120	ROMI DCM 620-5X V3.0	X

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REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
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E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: INDEX

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	7		ROMI DCM 620-5X V3.0	U14186H

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SECTION	SHEET	APPLICATION	
		MACHINE	TYPE
INPUT / OUTPUT MAP	121	ROMI DCM 620-5X V3.0	X
INPUT / OUTPUT MAP	122	ROMI DCM 620-5X V3.0	X
INPUT / OUTPUT MAP	123	ROMI DCM 620-5X V3.0	X
INPUT / OUTPUT MAP	124	ROMI DCM 620-5X V3.0	X
INPUT / OUTPUT MAP	125	ROMI DCM 620-5X V3.0	X
INPUT / OUTPUT MAP - OPERATOR'S PANEL	126	ROMI DCM 620-5X V3.0	X
PARAMETER	127	ROMI DCM 620-5X V3.0	X
PARAMETER	128	ROMI DCM 620-5X V3.0	X
ADDITIONAL INFORMATION	129	ROMI DCM 620-5X V3.0	X
ADDITIONAL INFORMATION	130	ROMI DCM 620-5X V3.0	X
ADDITIONAL INFORMATION	131	ROMI DCM 620-5X V3.0	X
ADDITIONAL INFORMATION	132	ROMI DCM 620-5X V3.0	X
ADDITIONAL INFORMATION	133	ROMI DCM 620-5X V3.0	X
ADDITIONAL INFORMATION	134	ROMI DCM 620-5X V3.0	X
ADDITIONAL INFORMATION	135	ROMI DCM 620-5X V3.0	X
ADDITIONAL INFORMATION	136	ROMI DCM 620-5X V3.0	X
ADDITIONAL INFORMATION	137	ROMI DCM 620-5X V3.0	X
ADDITIONAL INFORMATION	138	ROMI DCM 620-5X V3.0	X
ADDITIONAL INFORMATION	139	ROMI DCM 620-5X V3.0	X
FUNCTION / DESCRIPTION OF PARTS	140	ROMI DCM 620-5X V3.0	X
FUNCTION / DESCRIPTION OF PARTS	141	ROMI DCM 620-5X V3.0	X
FUNCTION / DESCRIPTION OF PARTS	142	ROMI DCM 620-5X V3.0	X
FUNCTION / DESCRIPTION OF PARTS	143	ROMI DCM 620-5X V3.0	X
FUNCTION / DESCRIPTION OF PARTS	144	ROMI DCM 620-5X V3.0	X
FUNCTION / DESCRIPTION OF PARTS	145	ROMI DCM 620-5X V3.0	X
FUNCTION / DESCRIPTION OF PARTS	146	ROMI DCM 620-5X V3.0	X
FUNCTION / DESCRIPTION OF PARTS	147	ROMI DCM 620-5X V3.0	X
FUNCTION / DESCRIPTION OF PARTS	148	ROMI DCM 620-5X V3.0	X
FUNCTION / DESCRIPTION OF PARTS	149	ROMI DCM 620-5X V3.0	X
FUNCTION / DESCRIPTION OF PARTS	150	ROMI DCM 620-5X V3.0	X
FUNCTION / DESCRIPTION OF PARTS	151	ROMI DCM 620-5X V3.0	X

TYPE: X = STANDARD O = OPTIONAL V = VARIANT E = SPECIAL * = END OF EFFECTIVENESS

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: INDEX

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	8		ROMI DCM 620-5X V3.0	U14186H

CUSTOMER RAMIFICATION INPUT LINE

MACHINE: ***ROMI DCM 620-5X V3.0***

POWER (KVA)	TENSION (V)	CURRENT QM11 (A)	CURRENT (A)	ADJUSTING FACTOR (%)	ADJUST QM11 (A)	POWER M151 (W)	CURRENT M151 (A)	WIRES INPUT (mm²) (1)	INTERRUPTION CAPACITY (KA)
50	**200**	112~160	144	0,90	144	12000	40	**35**	85
50	**210**	112~160	137	0,90	144	12000	38	**35**	85
50	**220**	112~160	131	0,90	144	12000	36	**35**	85
50	**230**	112~160	126	0,80	128	12000	35	**35**	85
50	**240**	112~160	120	0,80	128	12000	33	**35**	85
50	**250**	112~160	115	0,80	128	12000	32	**35**	85
50	**360**	56~80	80	1,00	80	12000	22	**25**	36
50	**380**	56~80	76	1,00	80	12000	21	**25**	36
50	**390**	56~80	74	1,00	80	12000	20	**25**	36
50	**410**	56~80	70	0,90	72	12000	19	**25**	36
50	**420**	56~80	69	0,90	72	12000	19	**25**	36
50	**440**	56~80	66	0,90	72	12000	18	**25**	35
50	**460**	56~80	63	0,80	64	12000	17	**25**	35
50	**480**	56~80	60	0,80	64	12000	17	**25**	35

NOTE:

(1) WIRE GAGES ARE SPECIFIELD FOR 30m BETWEEN THE MACHINE AND THE POWER SUPPLY. HOWEVER ALWAYS CONSULT THE LOCAL STANDARDS BEFORE INSTTALING THE INCOMING POWER.

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: MAIN POWER SUPPLY

ROMI®

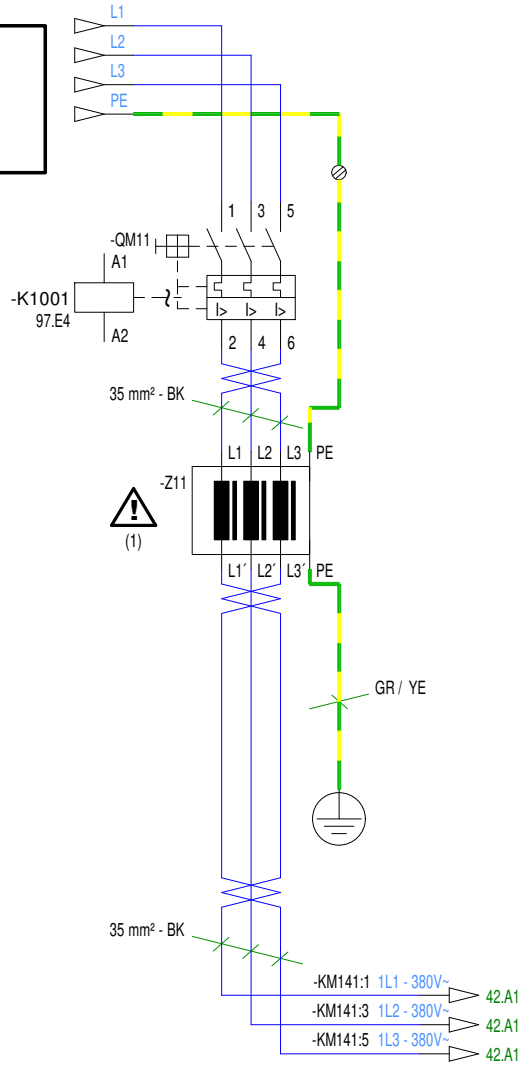
DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	9		ROMI DCM 620-5X V3.0	U14186H

STANDARD

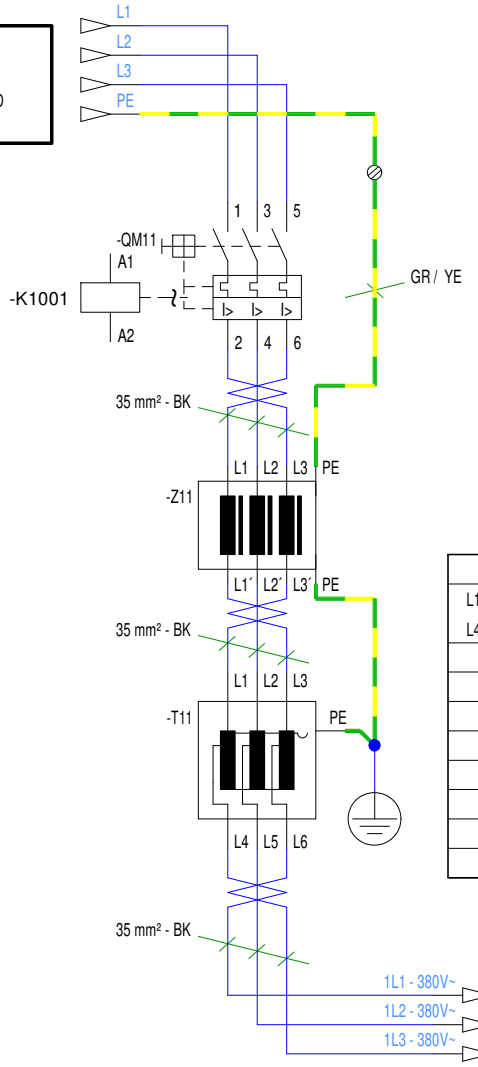
CUSTOMER INSTALLED
- 4 WIRES INPUT
- 3 PHASES + EARTH GND
- INPUT 380 VAC
- STANDARD CE



SAME STANDARD CONNECTION

OPTIONAL

CUSTOMER INSTALLED
- 4 WIRES INPUT
- 3 PHASES + EARTH GND
- INPUT 200 / 480 VAC



-T11	
L1,L2,L3 L4,L5,L6	VOLTS
H1	210/200V
H2	230/220V
H3	250/240V
H4	380/360V
H5	410/390V
H6	440/420V
H7	460/440V
H8	480/460V

SAME STANDARD CONNECTION

NOTE:

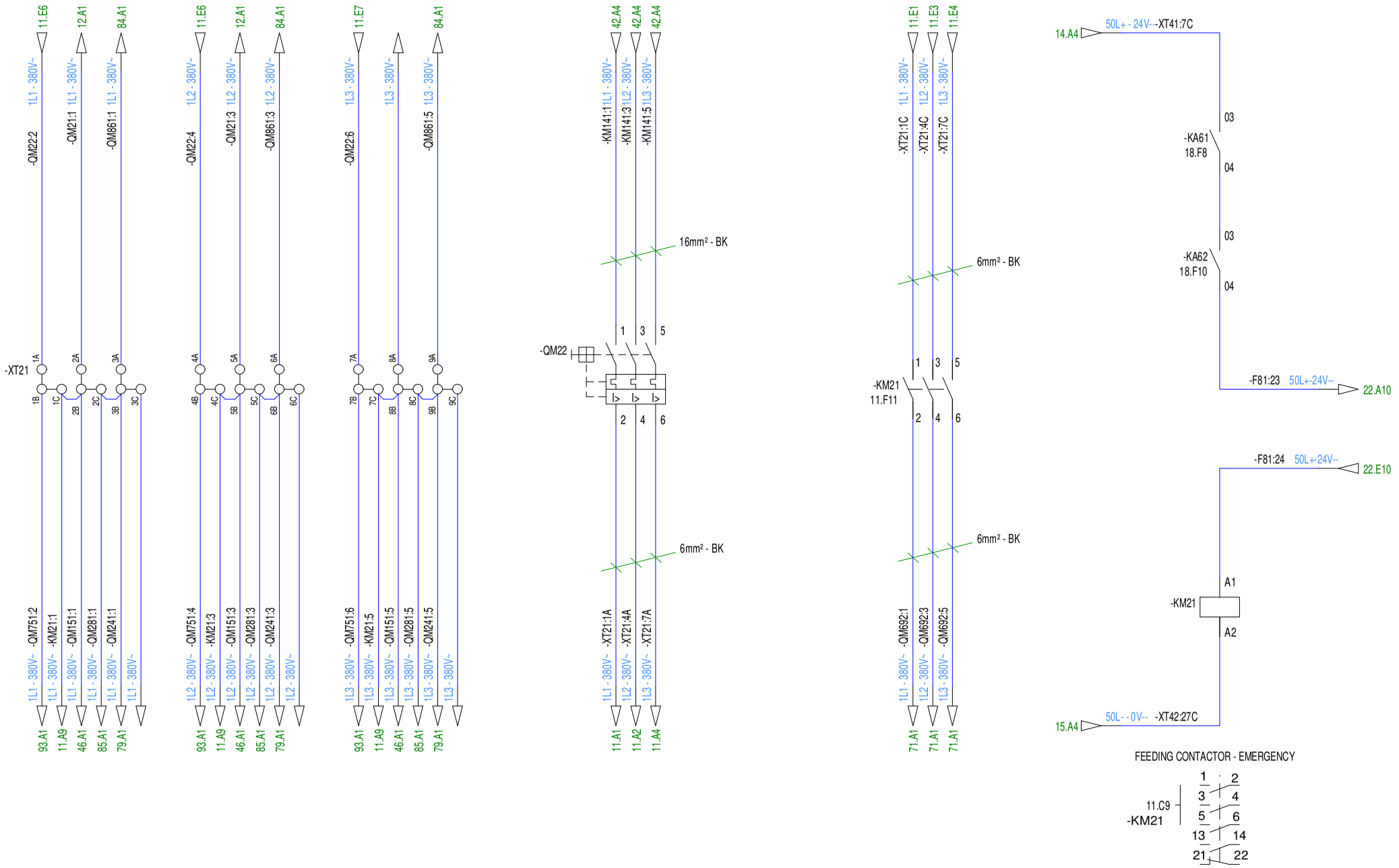
ALL WIRES GAGES ARE AS MARKED. FOR THOSE NOT MARKED USE 20AWG/0,5mm². - BLUE

(1) THE LINE FILTER MUST BE USED FOR VOLTAGES INTENDED TO THE CE MARKET ONLY! FAILURE TO OBSERVE THIS NOTE CAN DAMAGE THE EQUIPMENT!

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION	MAIN POWER SUPPLY			
ROMI®	DESIGNED	FERNANDO	11/09/2013	PROJECTION / SIZE A3
	DRAWER	ANDREW	11/09/2013	
	CONTROLLED	VILALTA	11/09/2013	
REFERENCE ROMI DCM	SHEET 10	SCALE	APPLICATION ROMI DCM 620-5X V3.0	N° U14186H



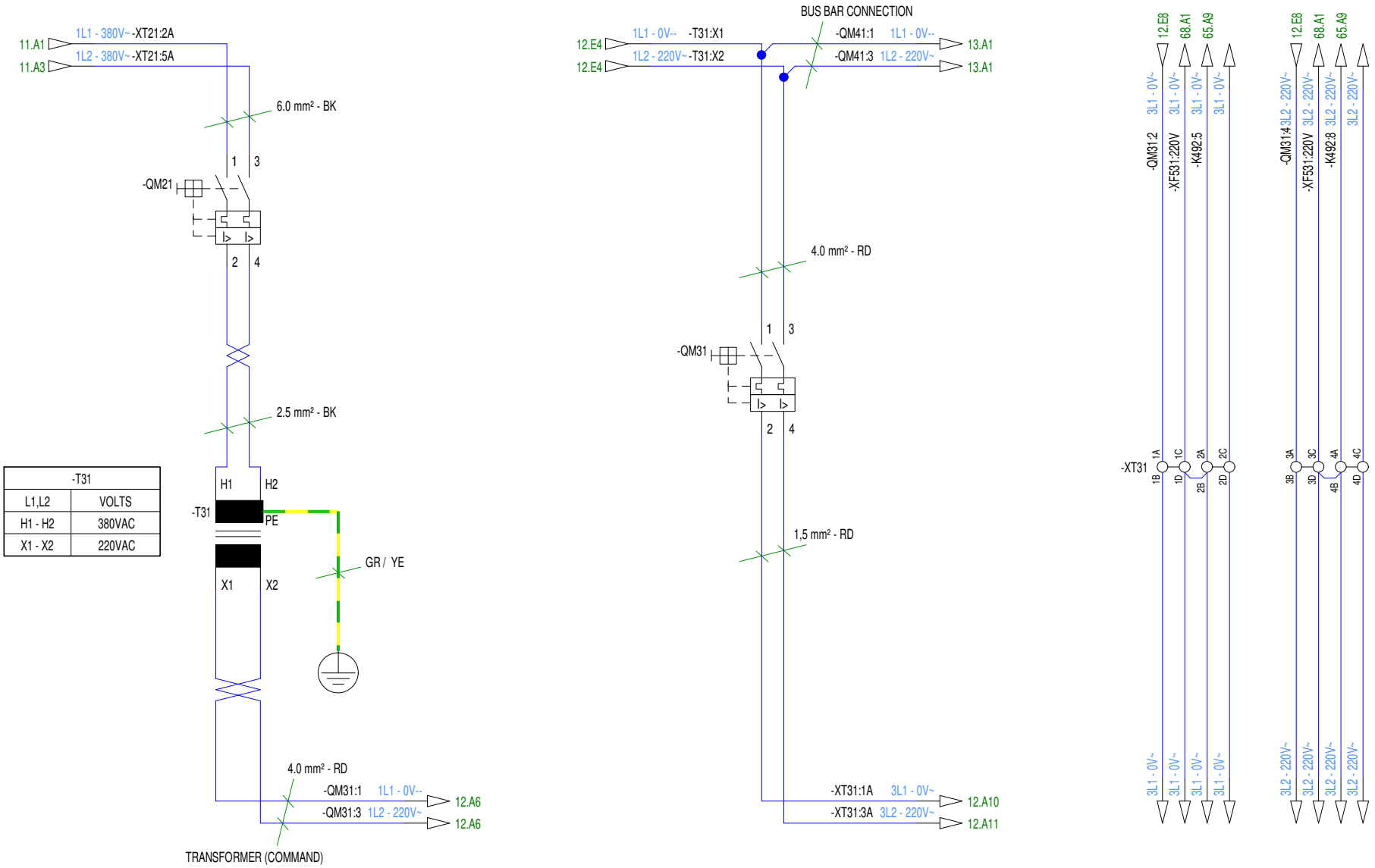
REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: POWER SUPPLY - 380VAC

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	11		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

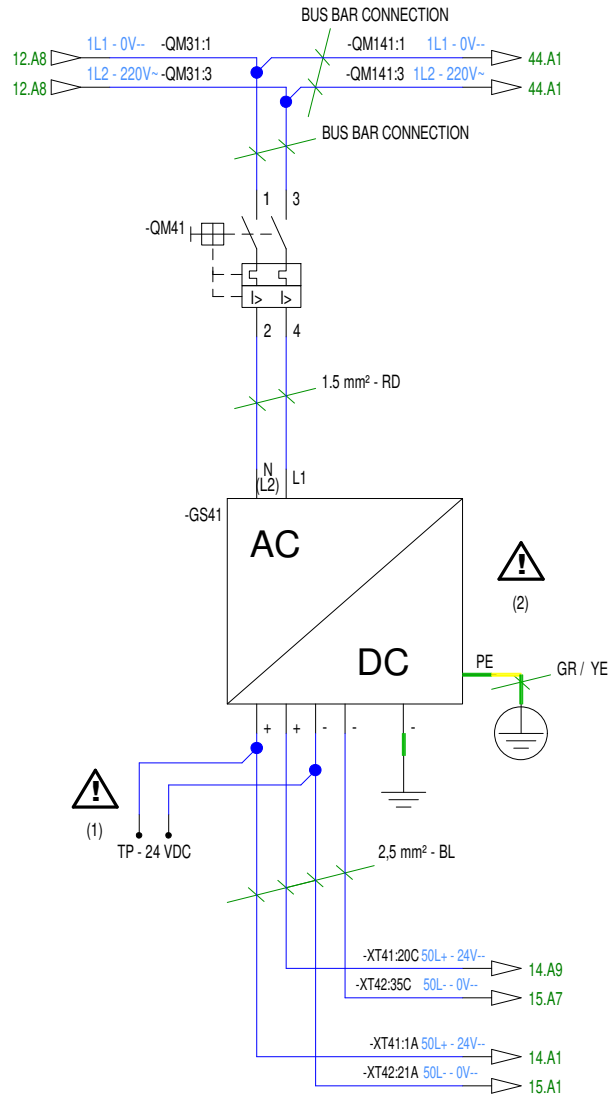
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: POWER SUPPLY - 220 VAC

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	12		ROMI DCM 620-5X V3.0	U14186H



NOTE:

(1) TP - TEST POINT

(2) SWITCH A = OFF
SWITCH B = ON

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

REL.	MODIFICATION	MODIF.	APROV.	DATE

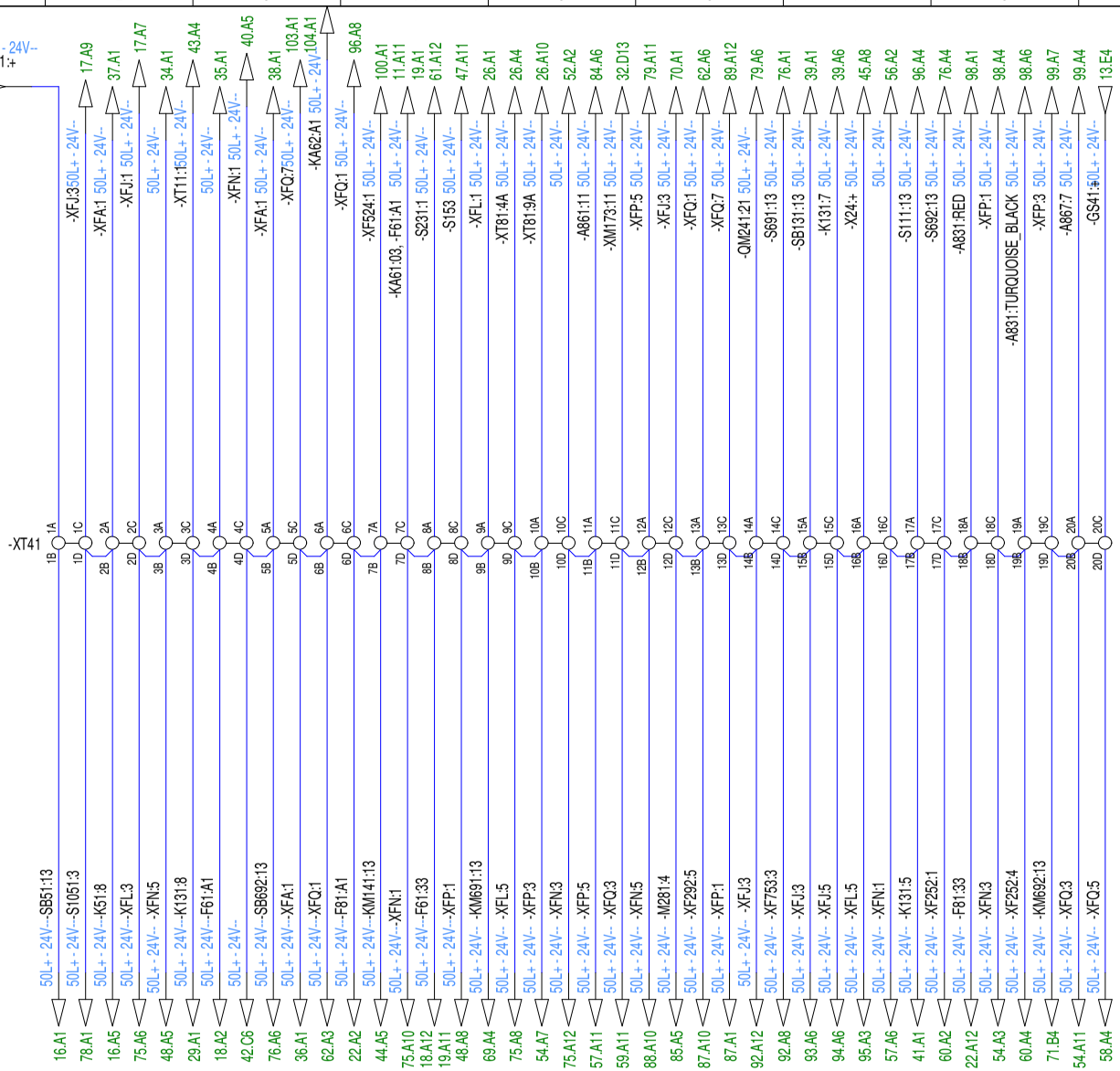
DESCRIPTION: 24VDC POWER SUPPLY

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	13		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

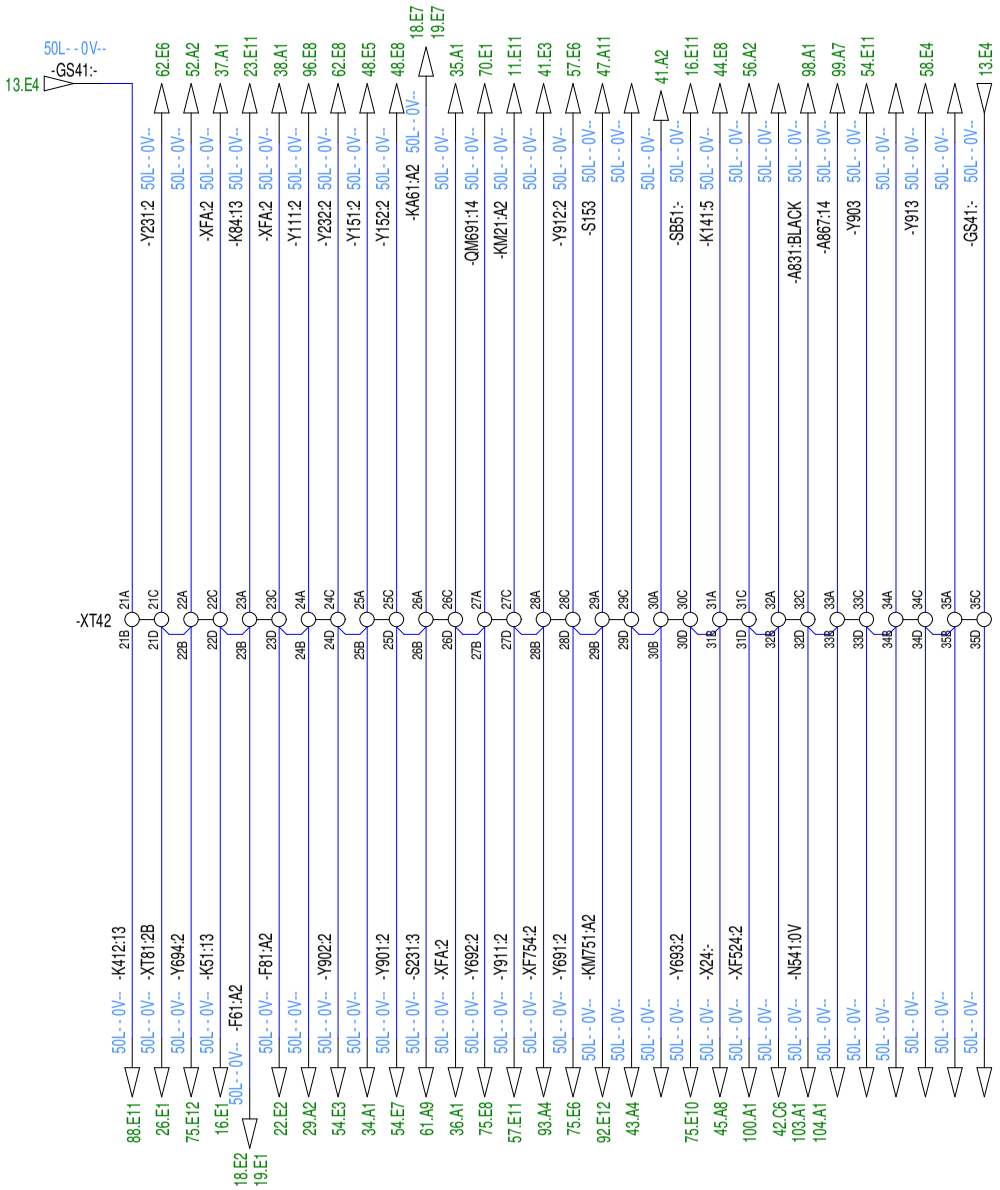
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: 24VDC POWER SUPPLY

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	14		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

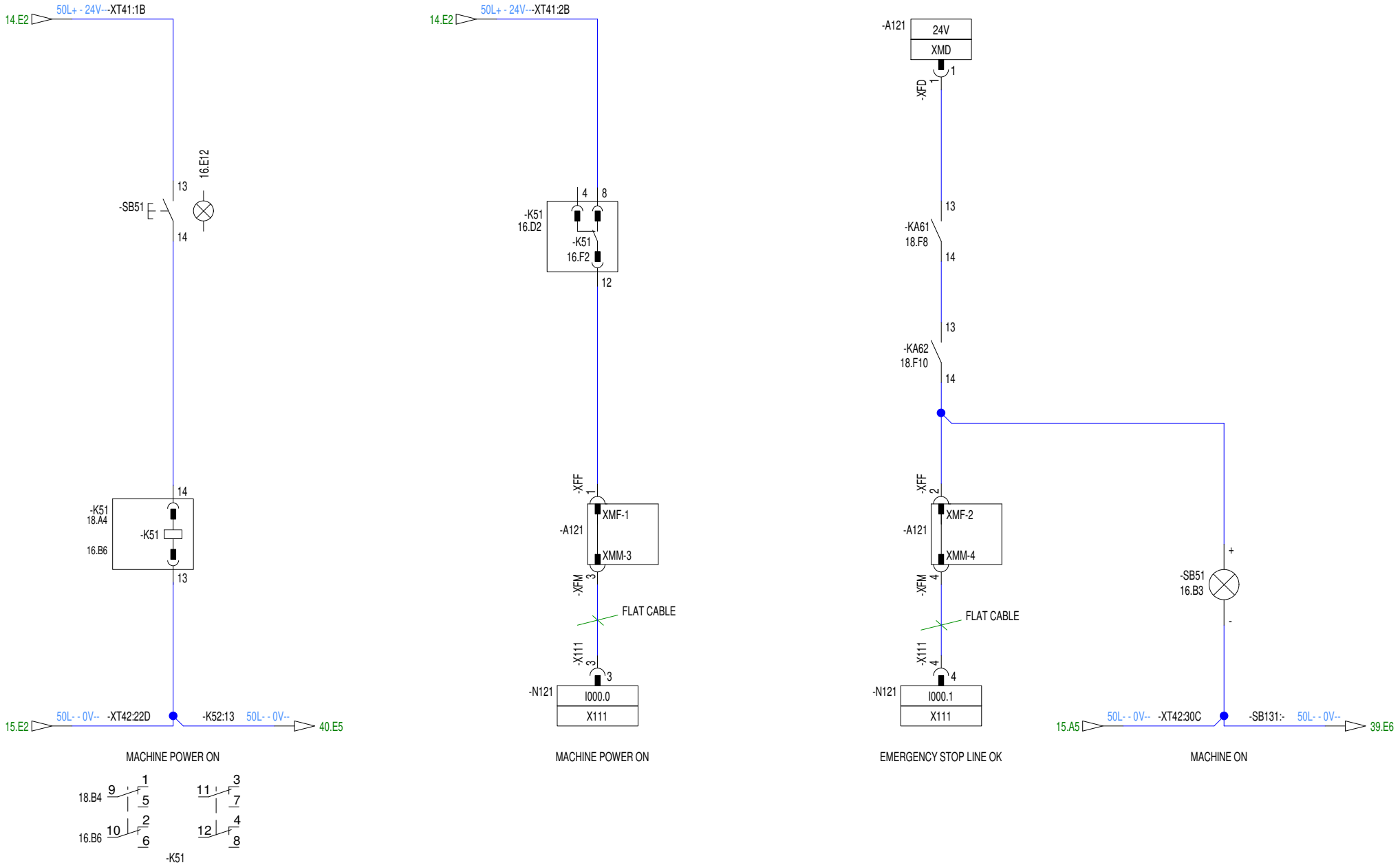
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: 24VDC POWER SUPPLY

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	15		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

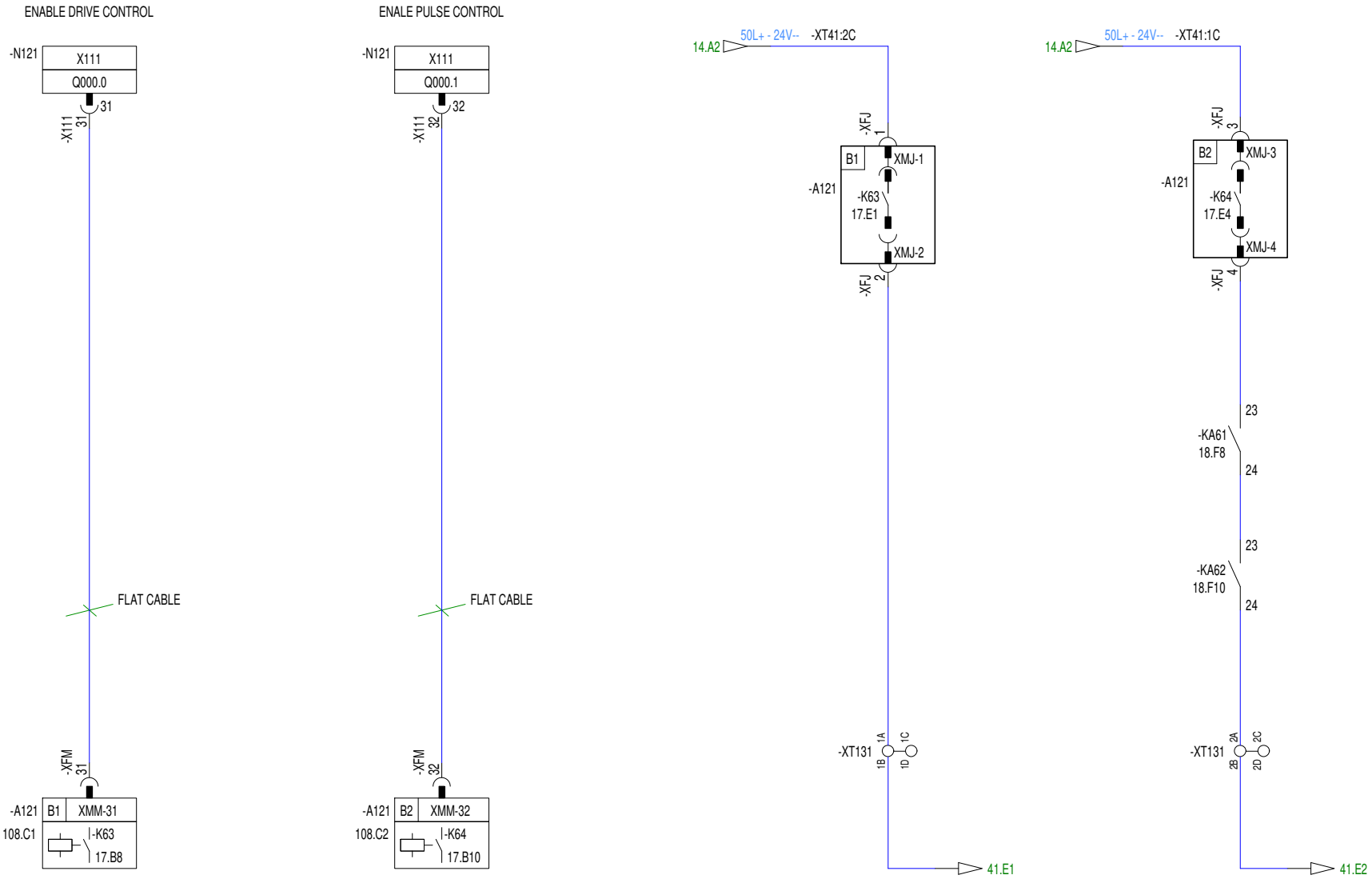
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: EMERGENCY STOP LINE

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	16		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

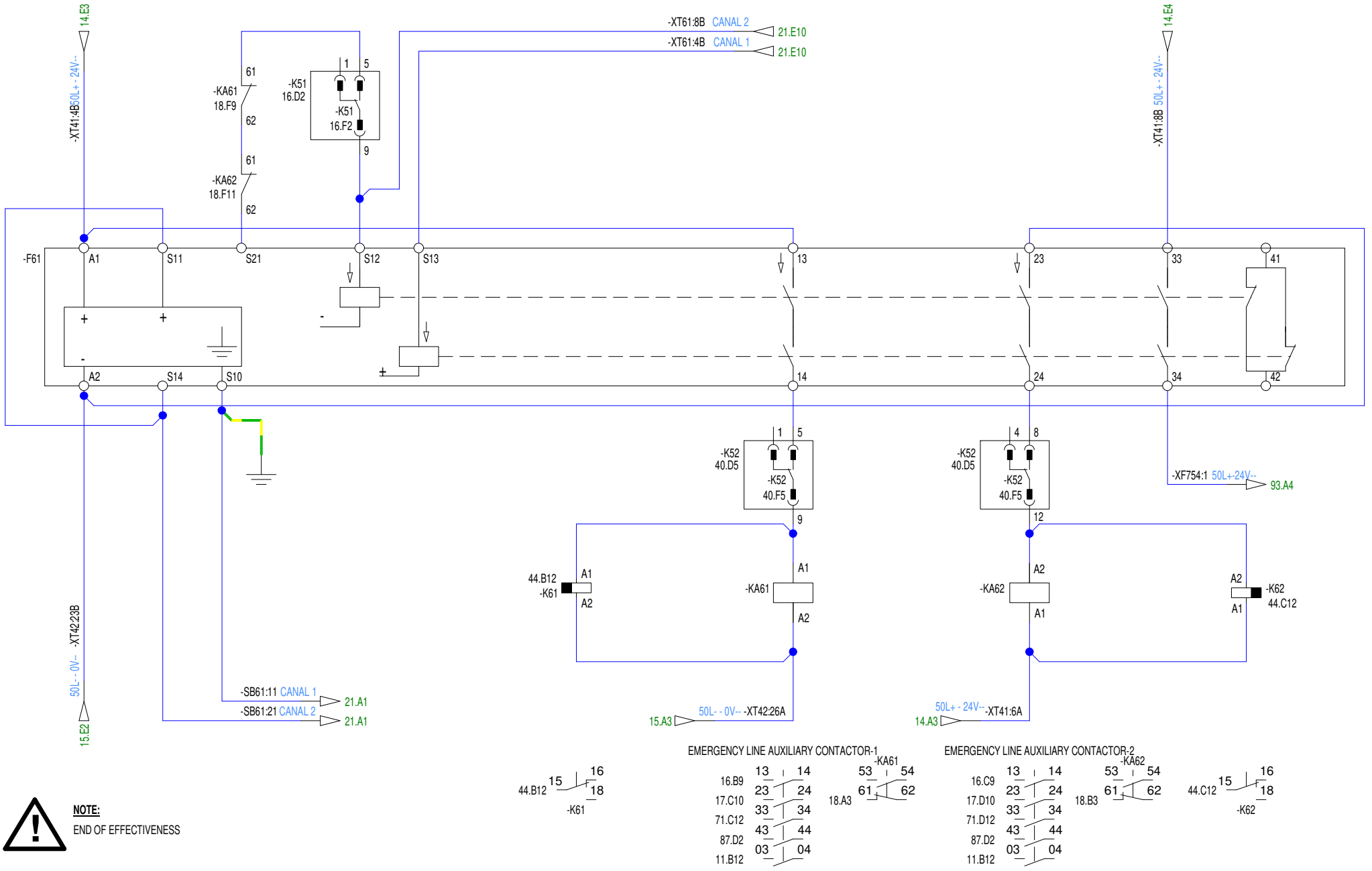
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: EMERGENCY STOP LINE

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	17		ROMI DCM 620-5X V3.0	U14186H



NOTE:
END OF EFFECTIVENESS

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

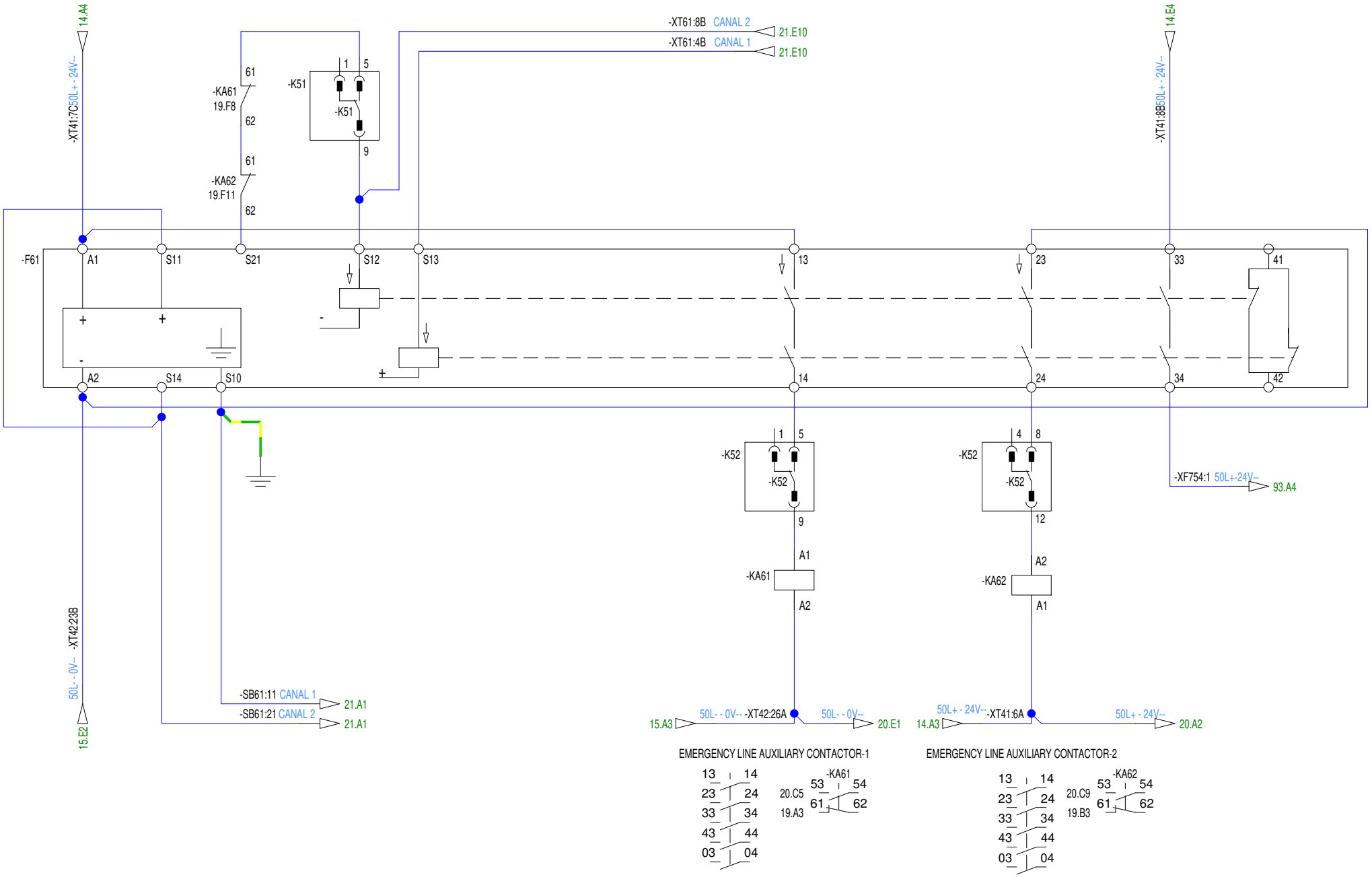
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: EMERGENCY STOP LINE

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	18		ROMI DCM 620-5X V3.0	U14186H



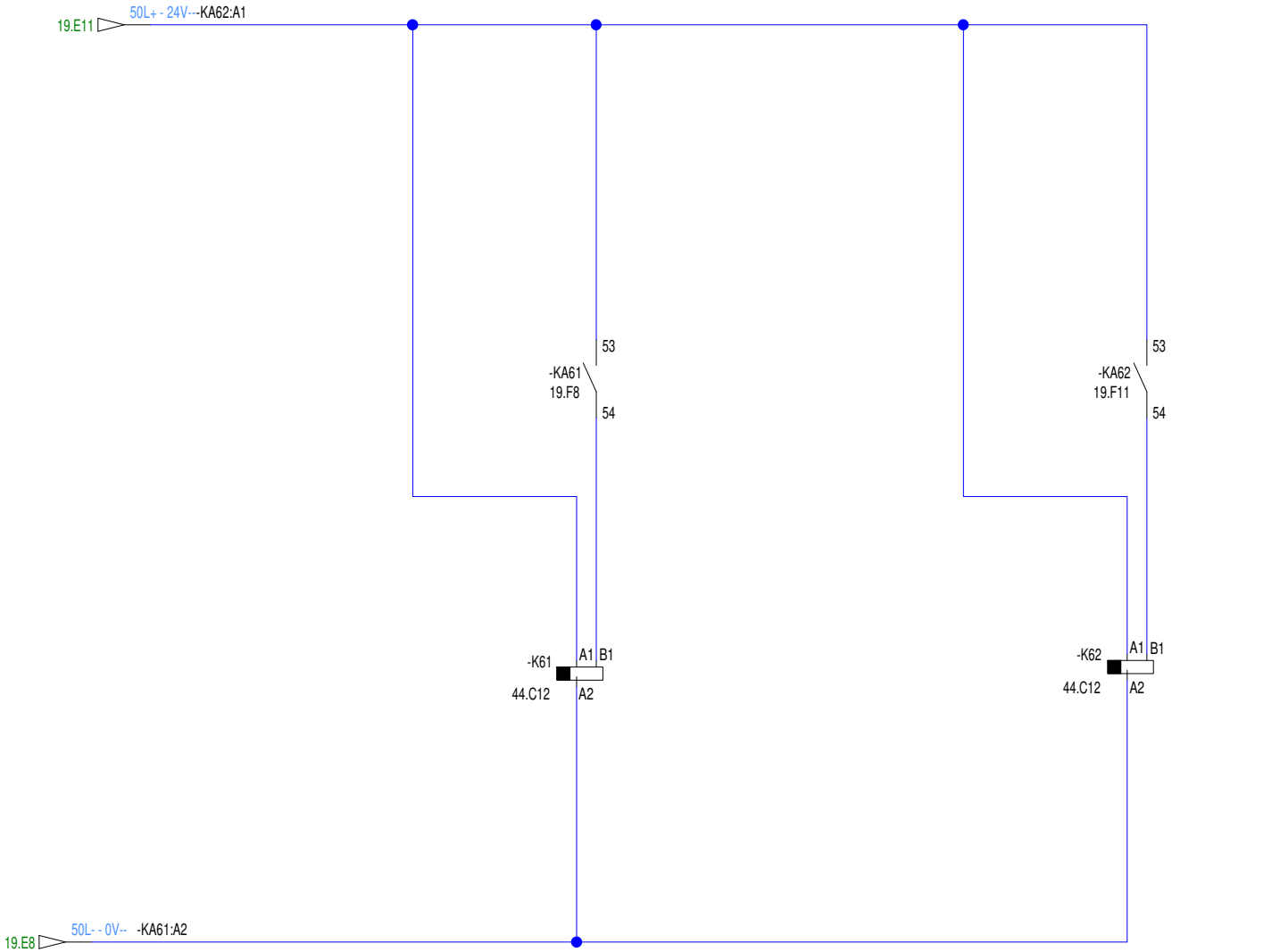
REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15
REL.	MODIFICATION	MODIF.	APROV.	DATE

DESCRIPTION: EMERGENCY STOP LINE

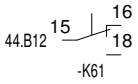
ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

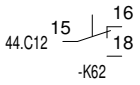
REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	19		ROMI DCM 620-5X V3.0	U14186H



TIMING RELAY - 1 SCALE = (20s) - TIME = (10s)



TIMING RELAY - 2 SCALE = (20s) - TIME = (10s)



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

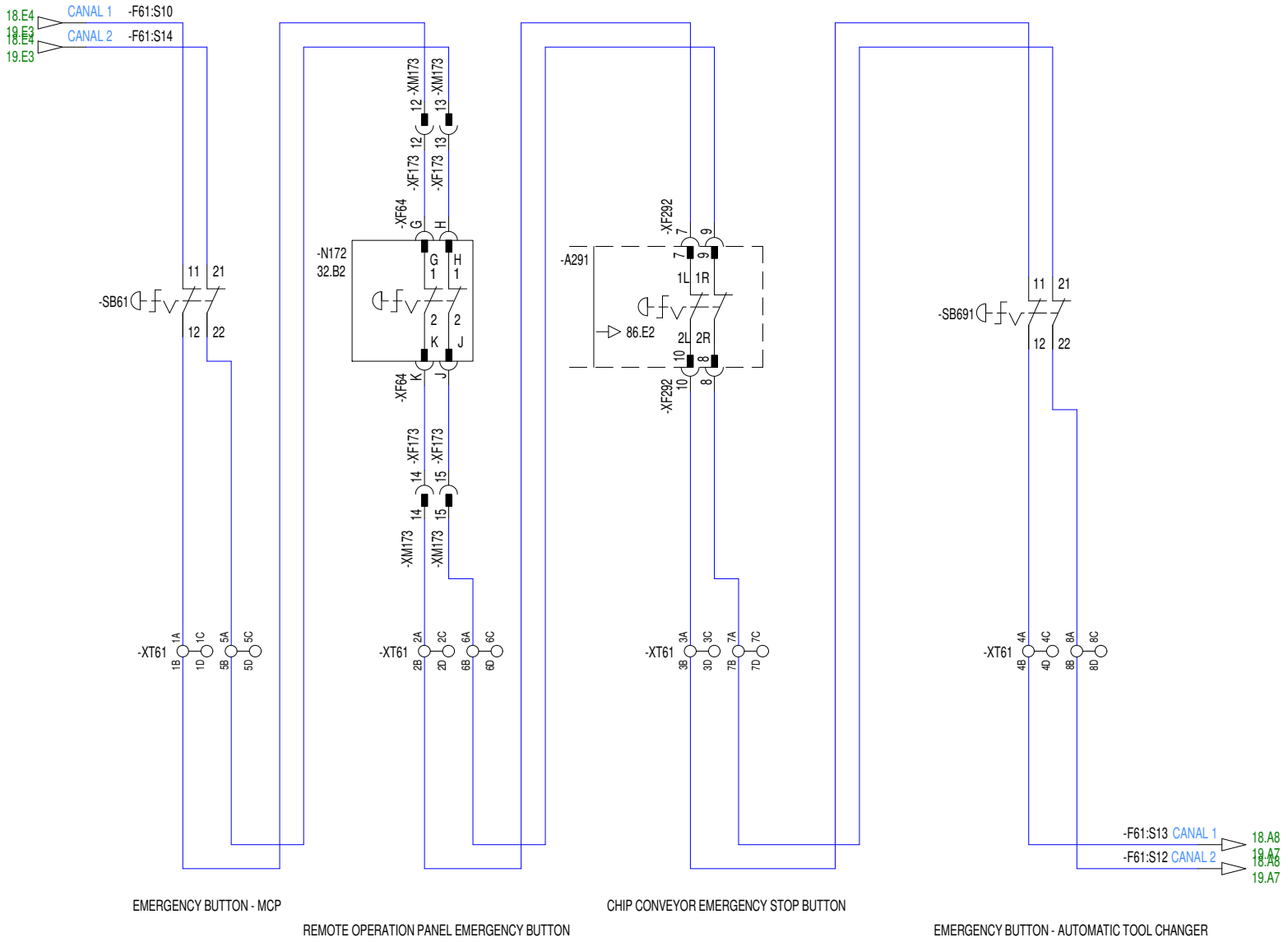
DESCRIPTION: EMERGENCY STOP LINE

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	20		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

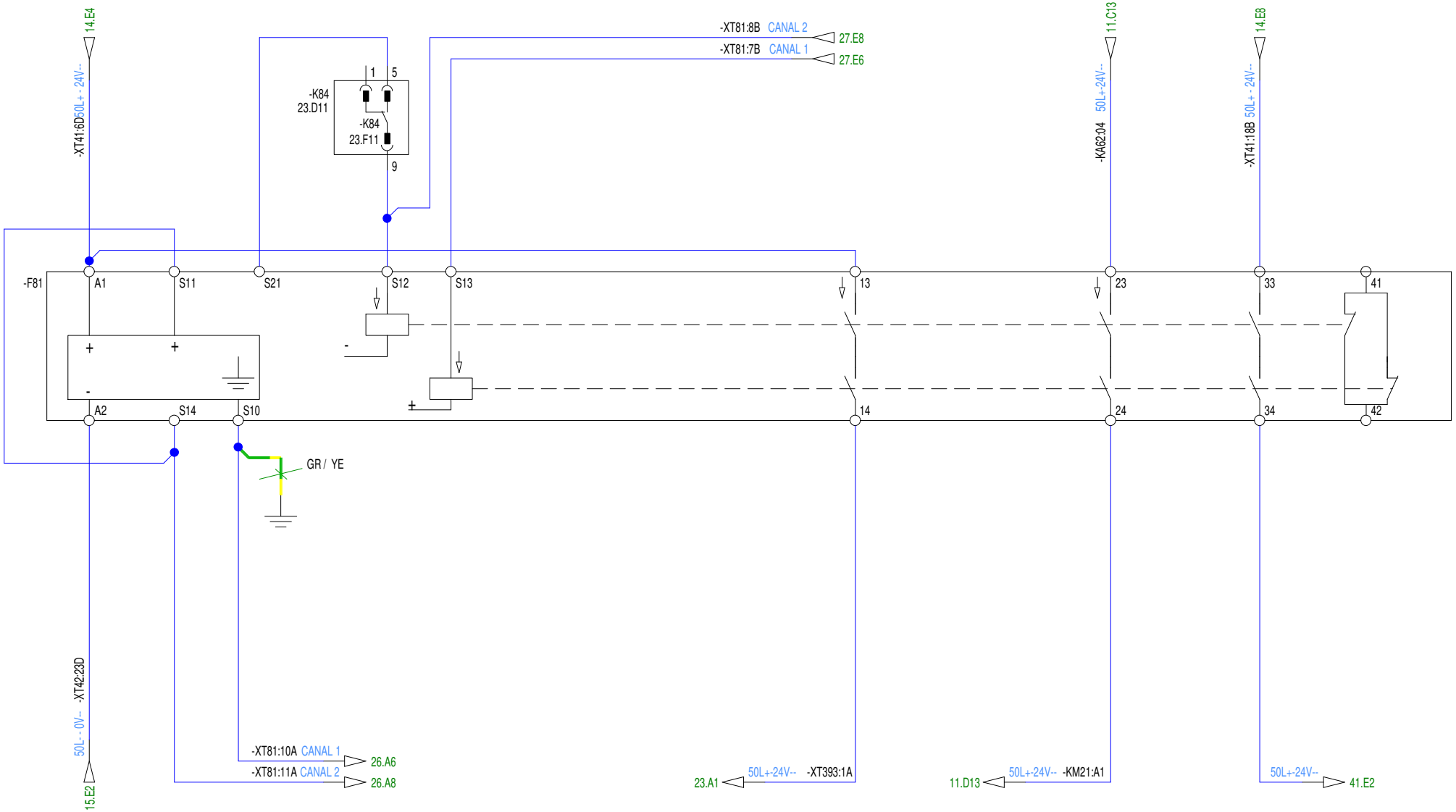
DESCRIPTION: EMERGENCY STOP LINE

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	21		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: OPERATOR`S DOOR

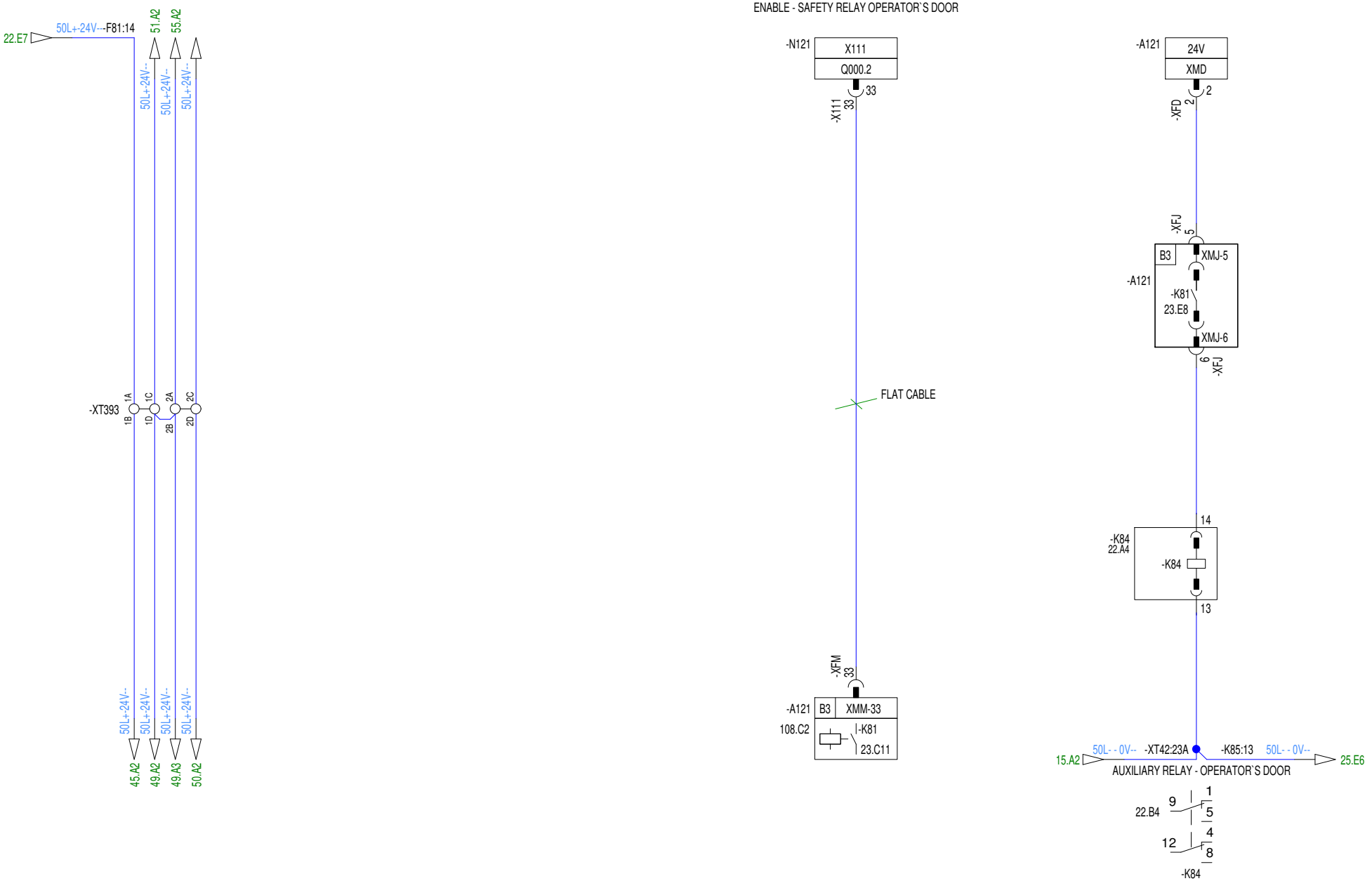
ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	22		ROMI DCM 620-5X V3.0	U14186H

ENABLE - SAFETY RELAY OPERATOR`S DOOR



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

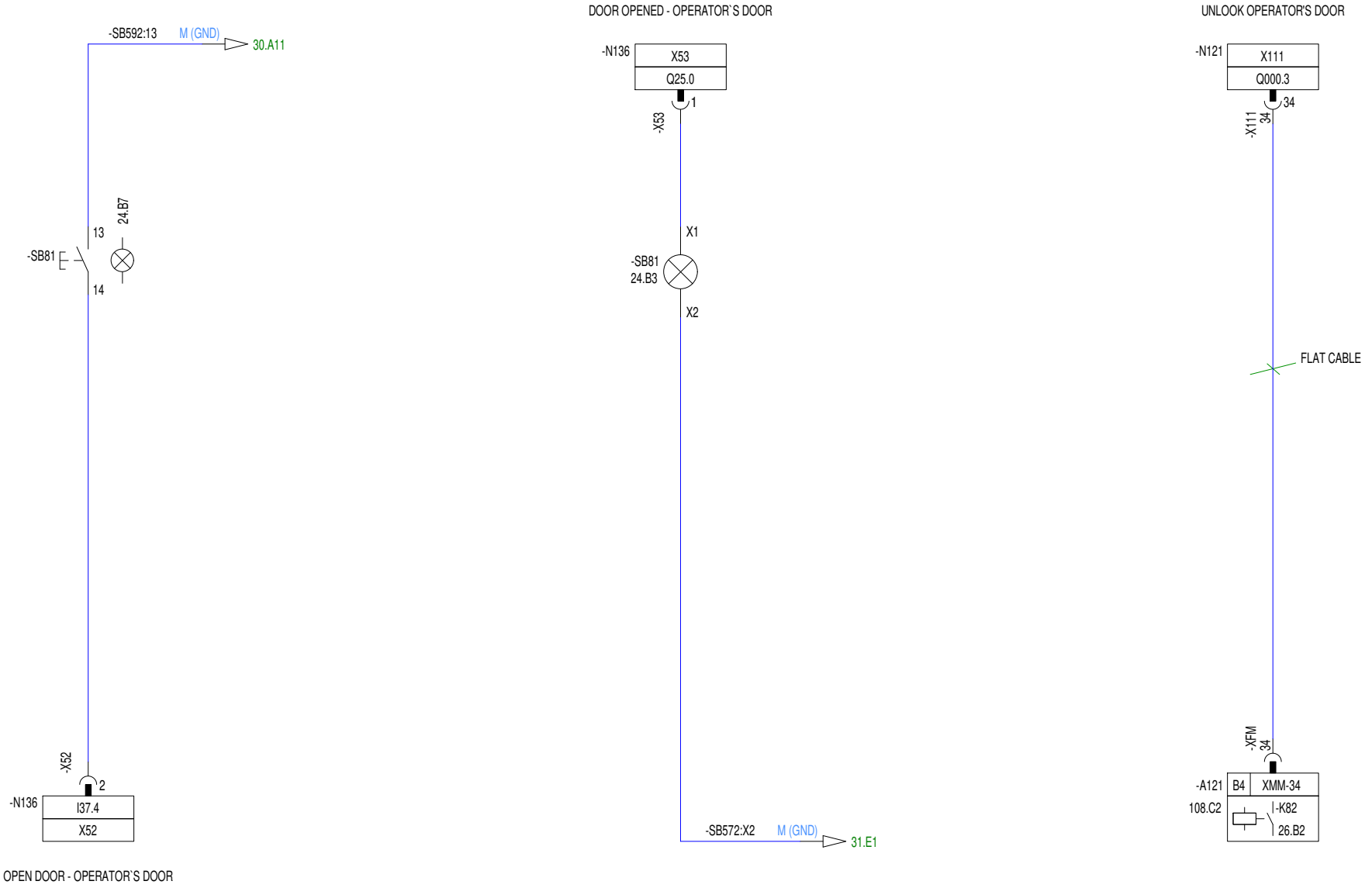
DESCRIPTION: OPERATOR`S DOOR

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

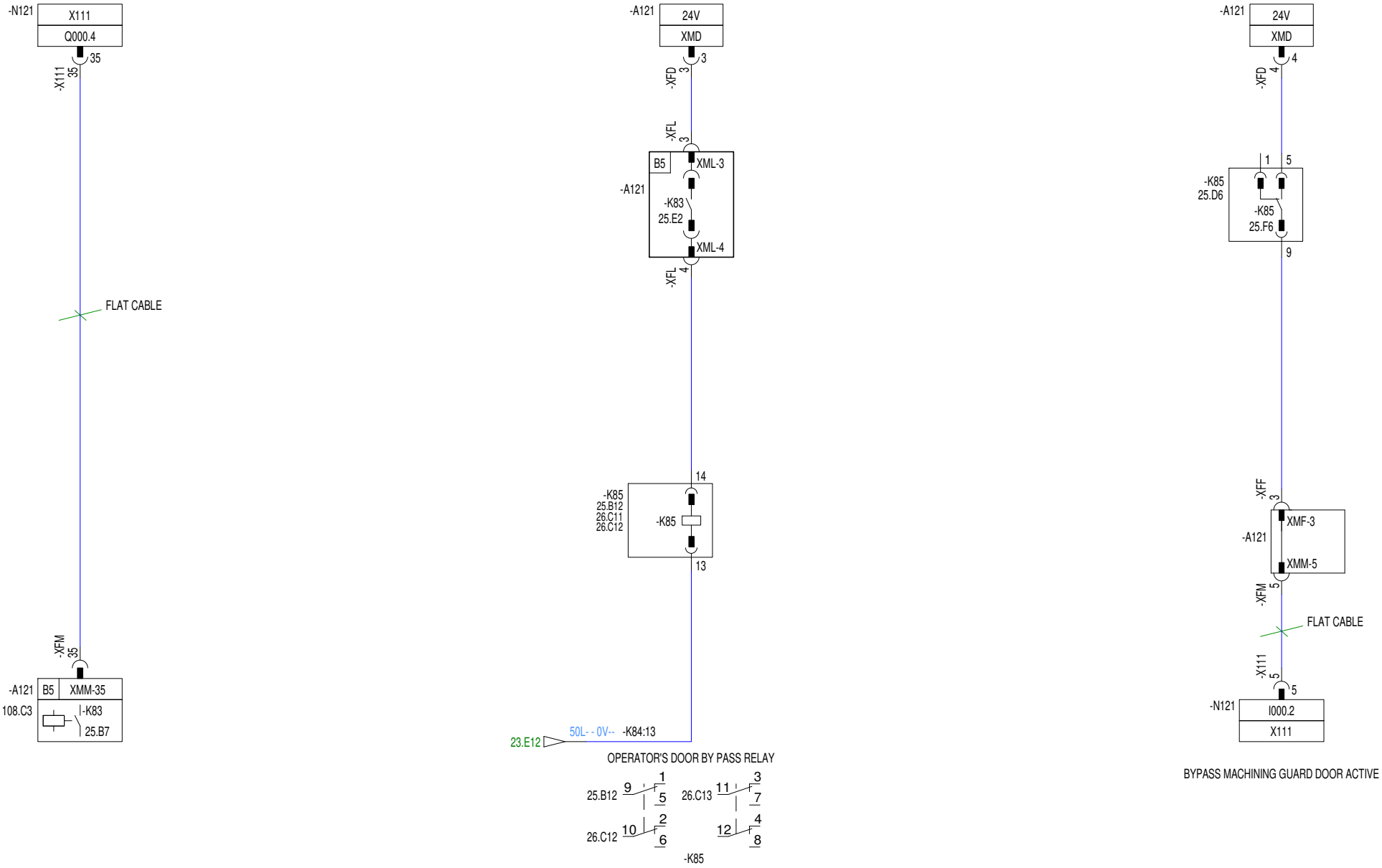
REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	23		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION	OPERATOR`S DOOR				
ROMI®	DESIGNED	FERNANDO	11/09/2013	PROJECTION	SIZE
	DRAWER	ANDREW	11/09/2013		A3
	CONTROLLED	VILALTA	11/09/2013		
REFERENCE ROMI DCM	SHEET 24	SCALE	APPLICATION ROMI DCM 620-5X V3.0	N° U14186H	

OP DOOR BYPASS



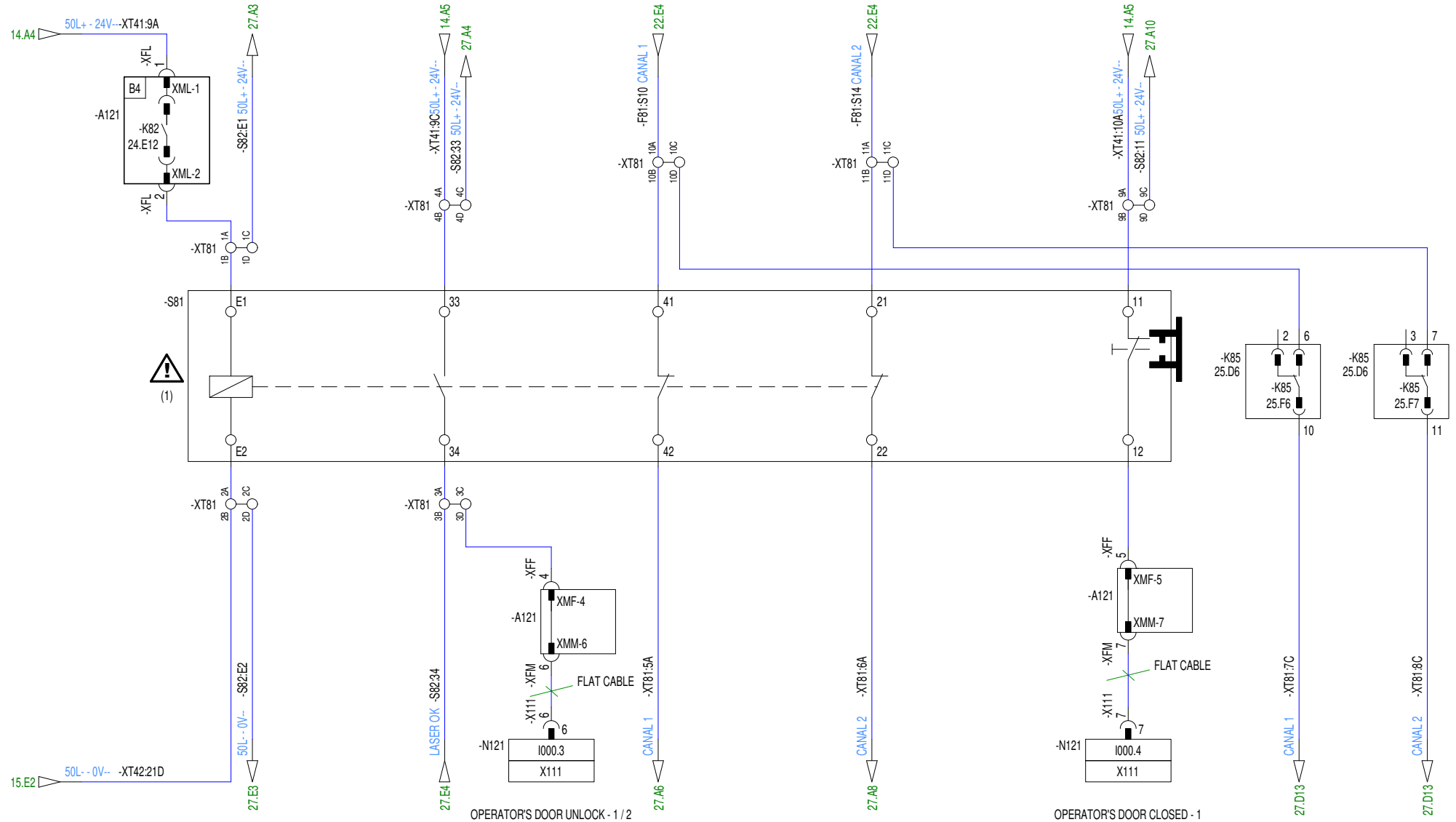
REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: OPERATOR`S DOOR

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	25		ROMI DCM 620-5X V3.0	U14186H

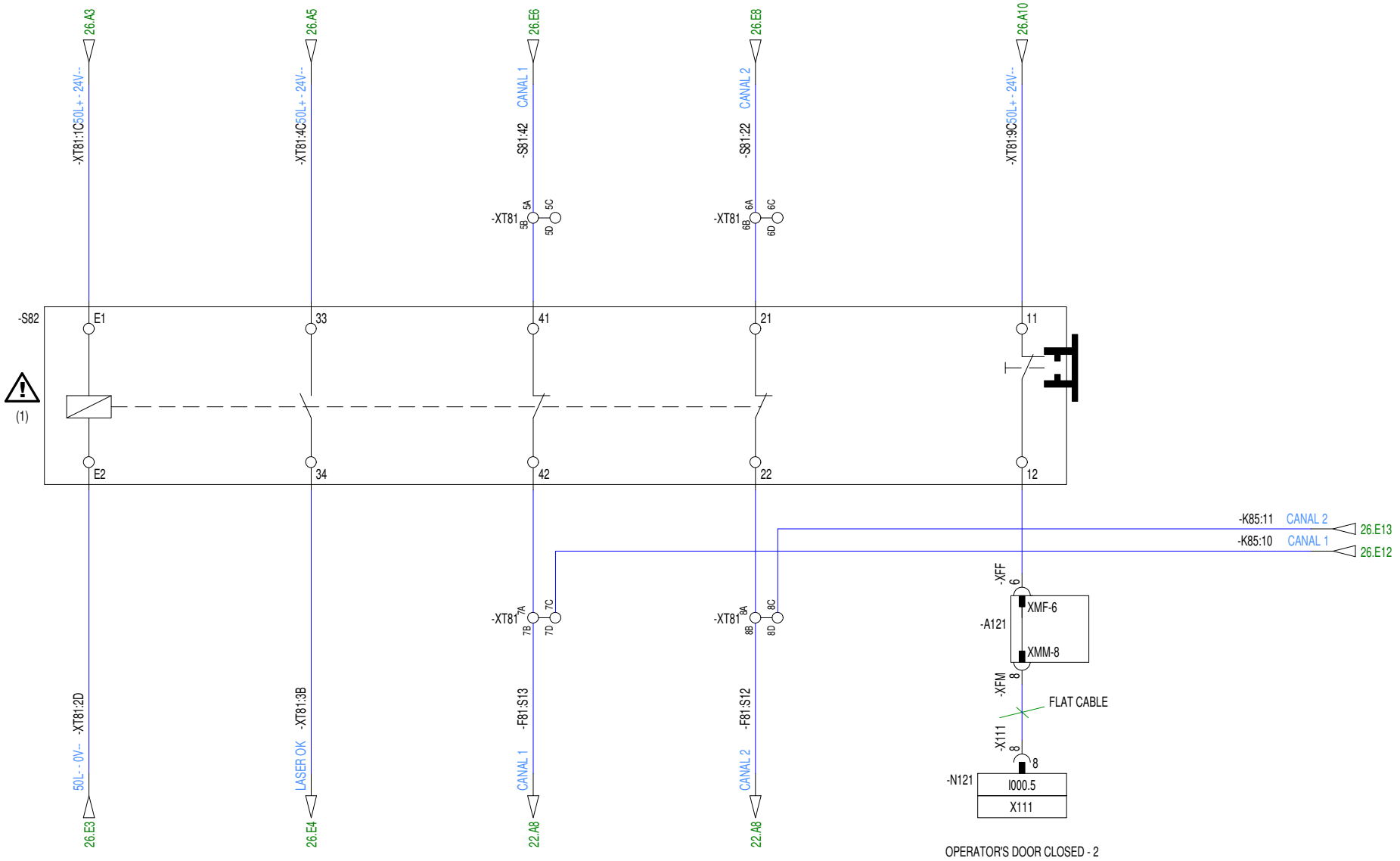


NOTE:

(1) THE SOLENOID IS ALWAYS ENERGIZED TO UNLOCK.

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION	OPERATOR`S DOOR		
ROMI®	DESIGNED	FERNANDO	11/09/2013
	DRAWER	ANDREW	11/09/2013
	CONTROLLED	VILALTA	11/09/2013
PROJECTION	SIZE	A3	
REFERENCE ROMI DCM	SHEET 26	SCALE	APPLICATION ROMI DCM 620-5X V3.0
N° U14186H			



NOTE:

(1) THE SOLENOID IS ALWAYS ENERGIZED TO UNLOCK.

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

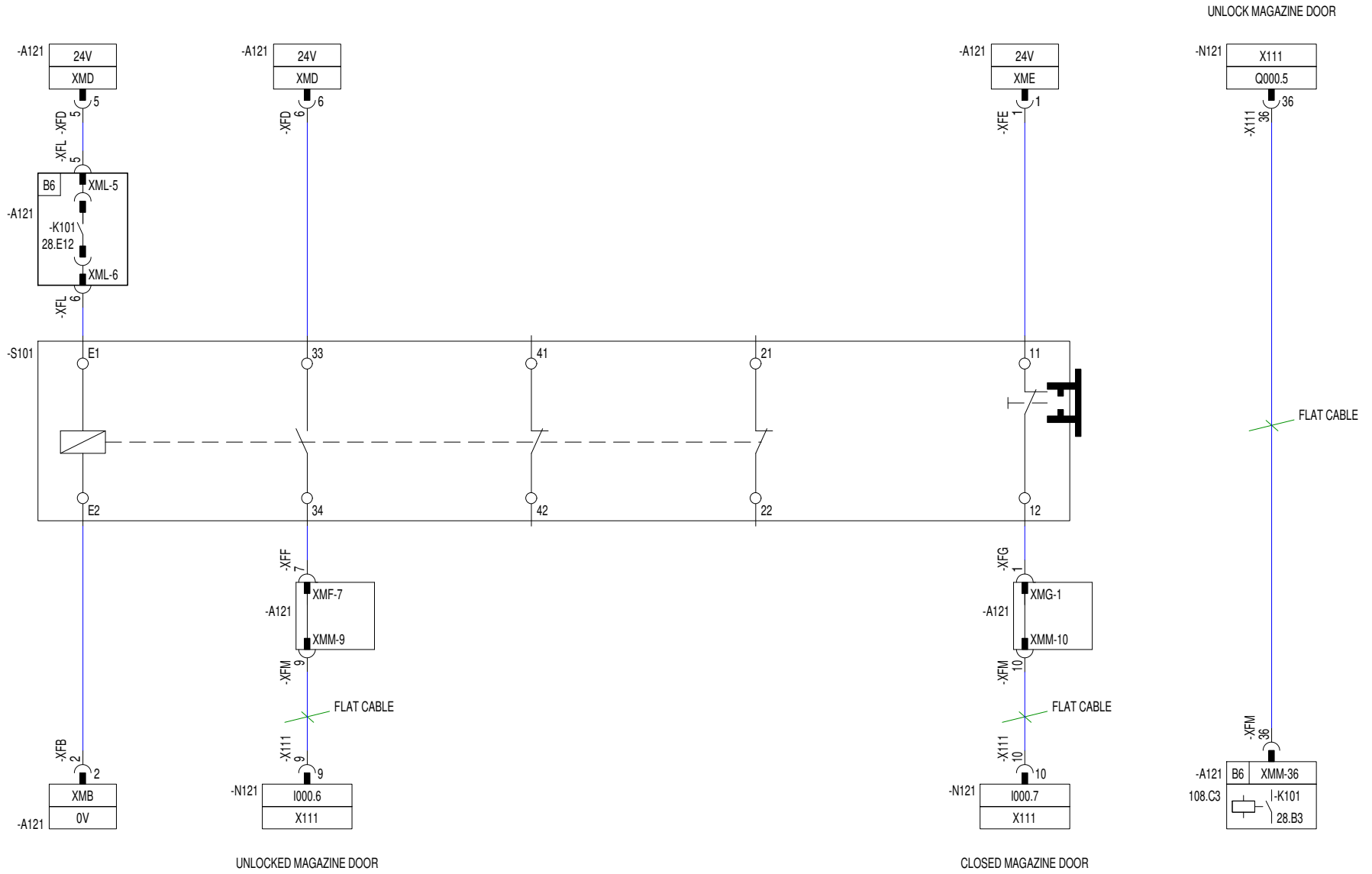
DESCRIPTION: OPERATOR`S DOOR

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	27		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

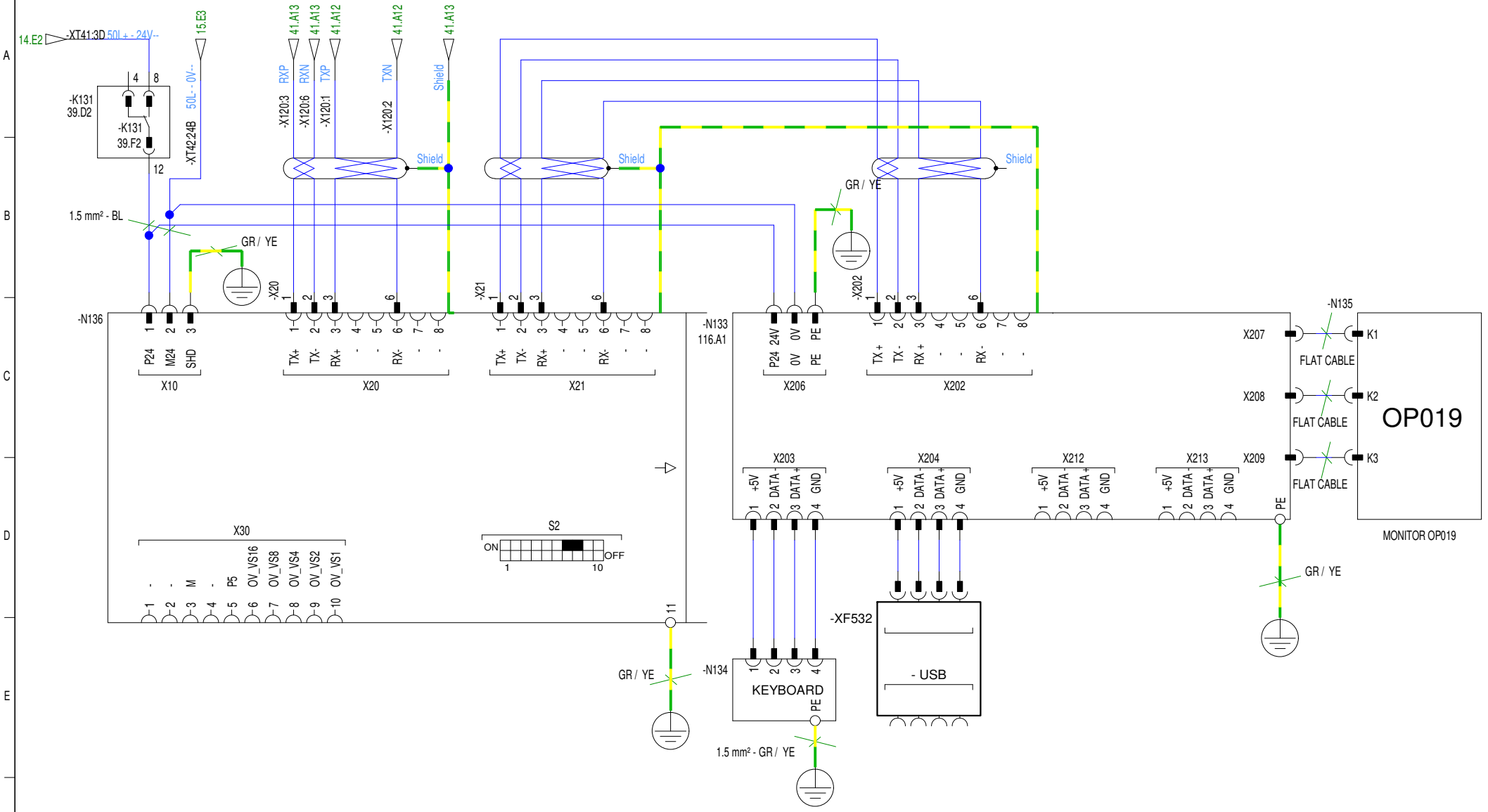
DESCRIPTION: MAINTENANCE DOOR MAGAZINE

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	28		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

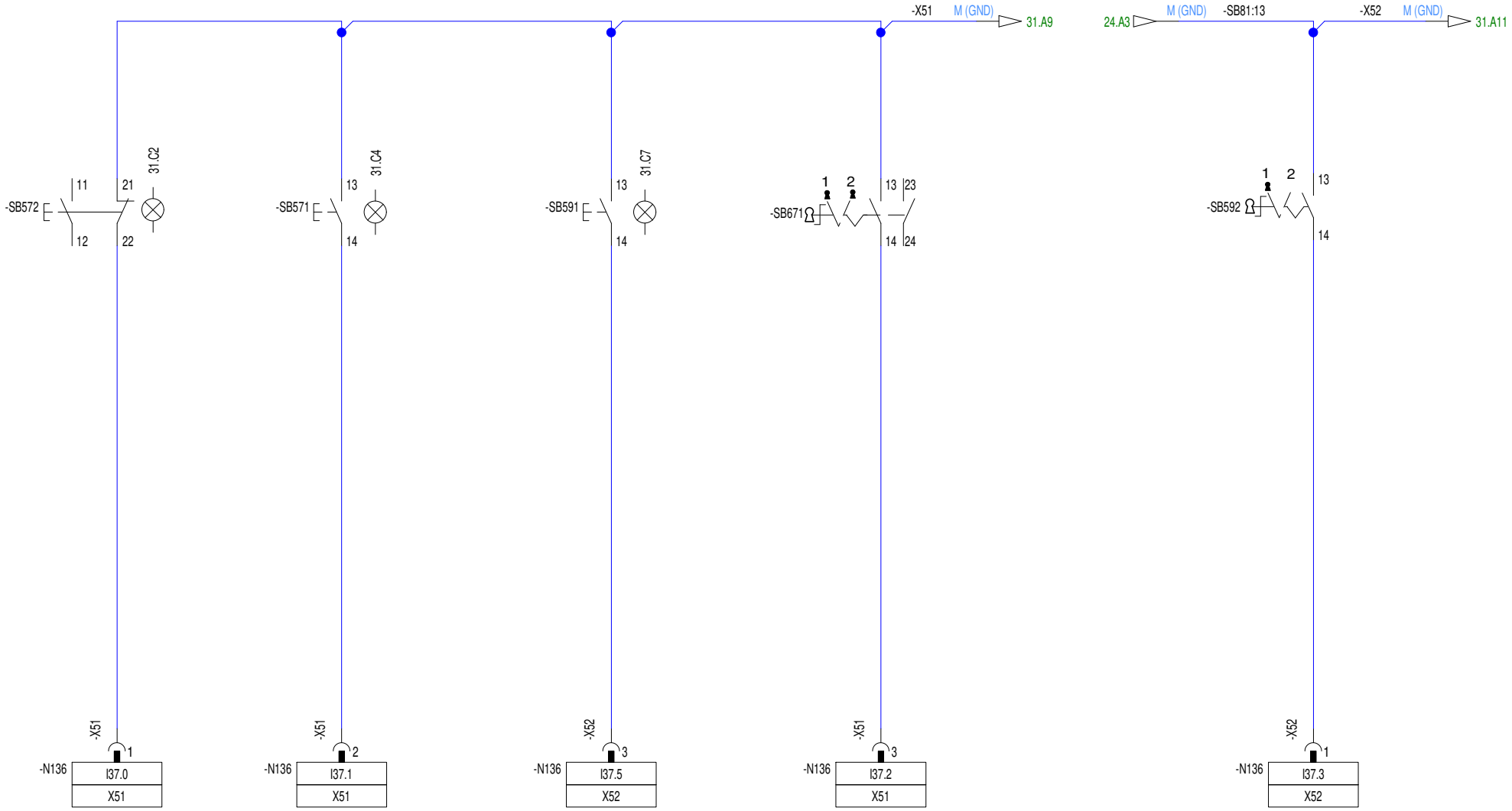
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: OPERATOR'S PANEL

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	29		ROMI DCM 620-5X V3.0	U14186H



CYCLE STOP BUTTON

CYCLE START BUTTON

BUTTON ACCEPTANCE JOG MOTION

ENABLE REMOTE OPERATION PANEL

SETUP MODE

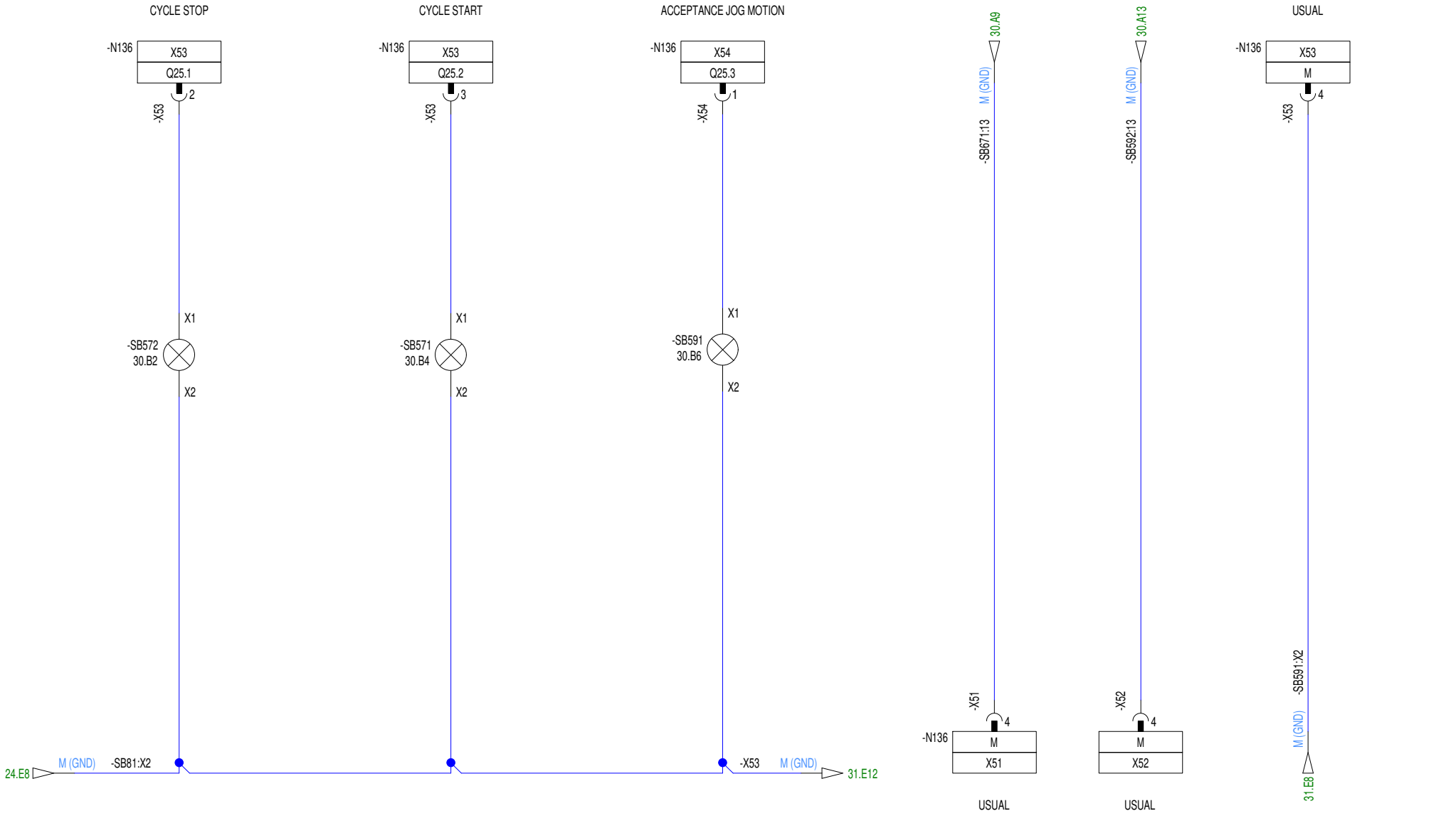
REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15
REL.	MODIFICATION	MODIF.	APROV.	DATE

DESCRIPTION: OPERATOR'S PANEL

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	30		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

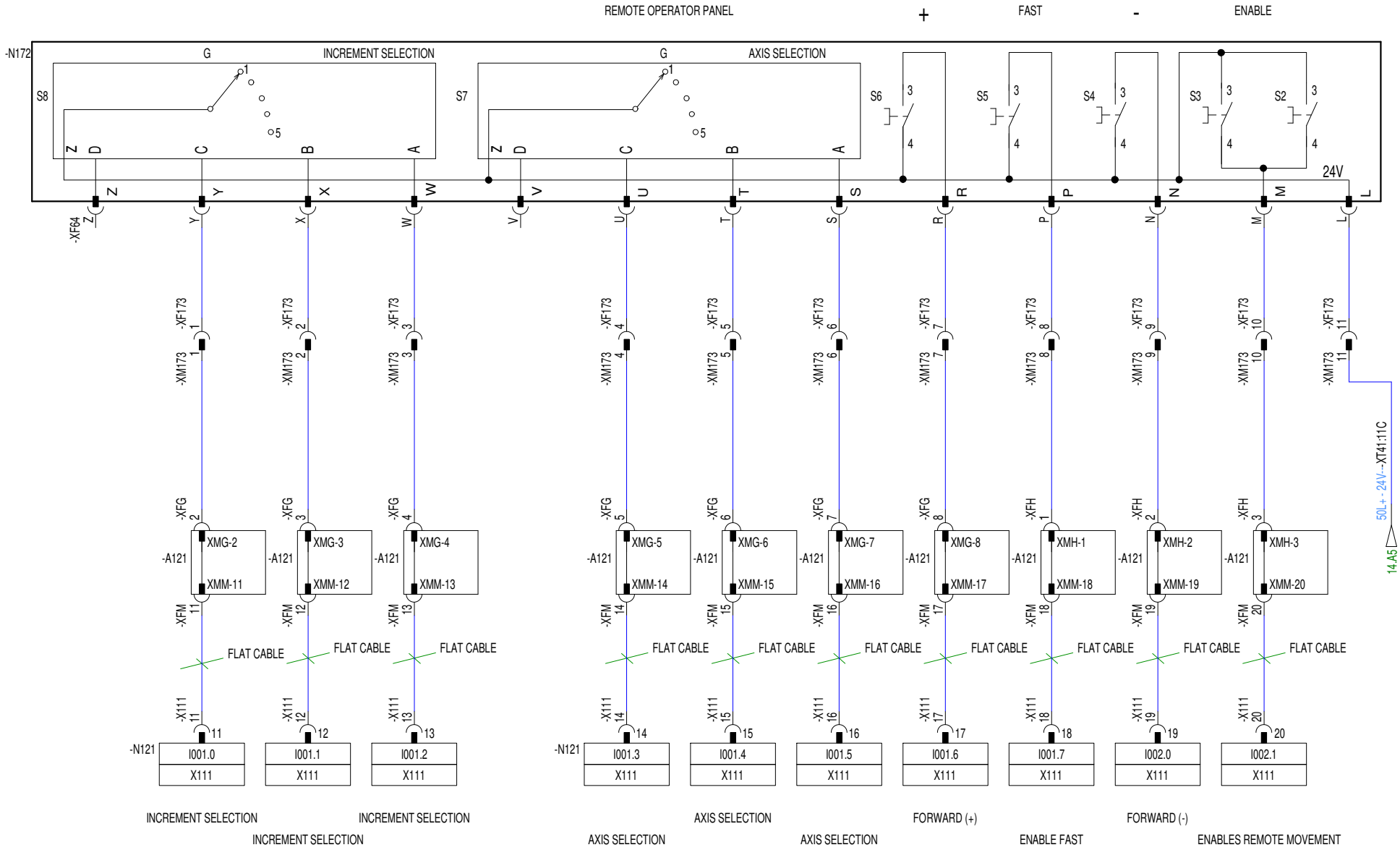
DESCRIPTION: OPERATOR'S PANEL

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	31		ROMI DCM 620-5X V3.0	U14186H



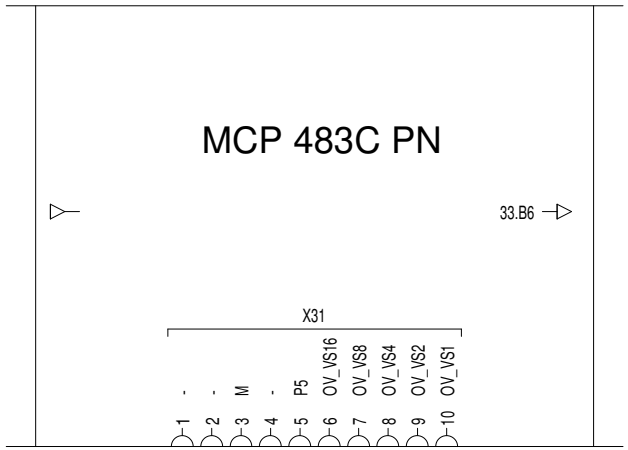
REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

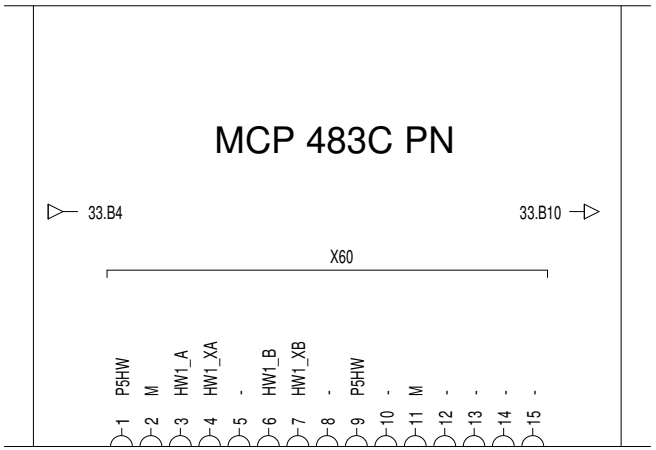
DESCRIPTION: REMOTE OPERATOR PANEL

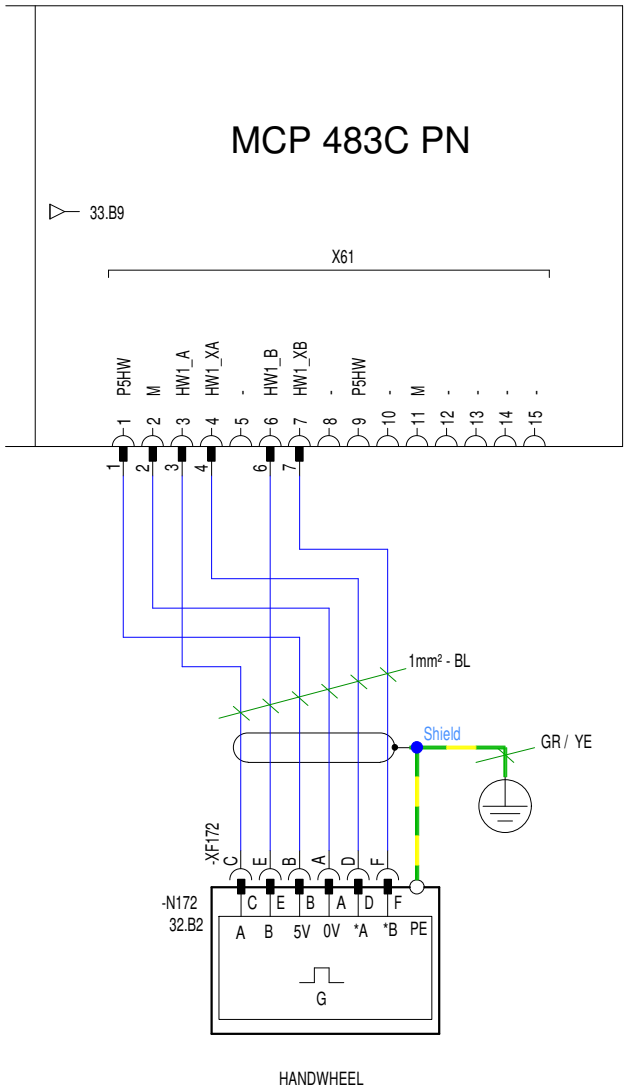
ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	32		ROMI DCM 620-5X V3.0	U14186H



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X61
P5HW M HW1_A HW1_XA - HW1_B HW1_XB - P5HW - M - - - -
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1mm² - BL
Shield
GR / YE
-XF172
C E B A D F
-N172
32.B2
C E B A D F
A B 5V 0V *A *B PE
G

HANDWHEEL

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

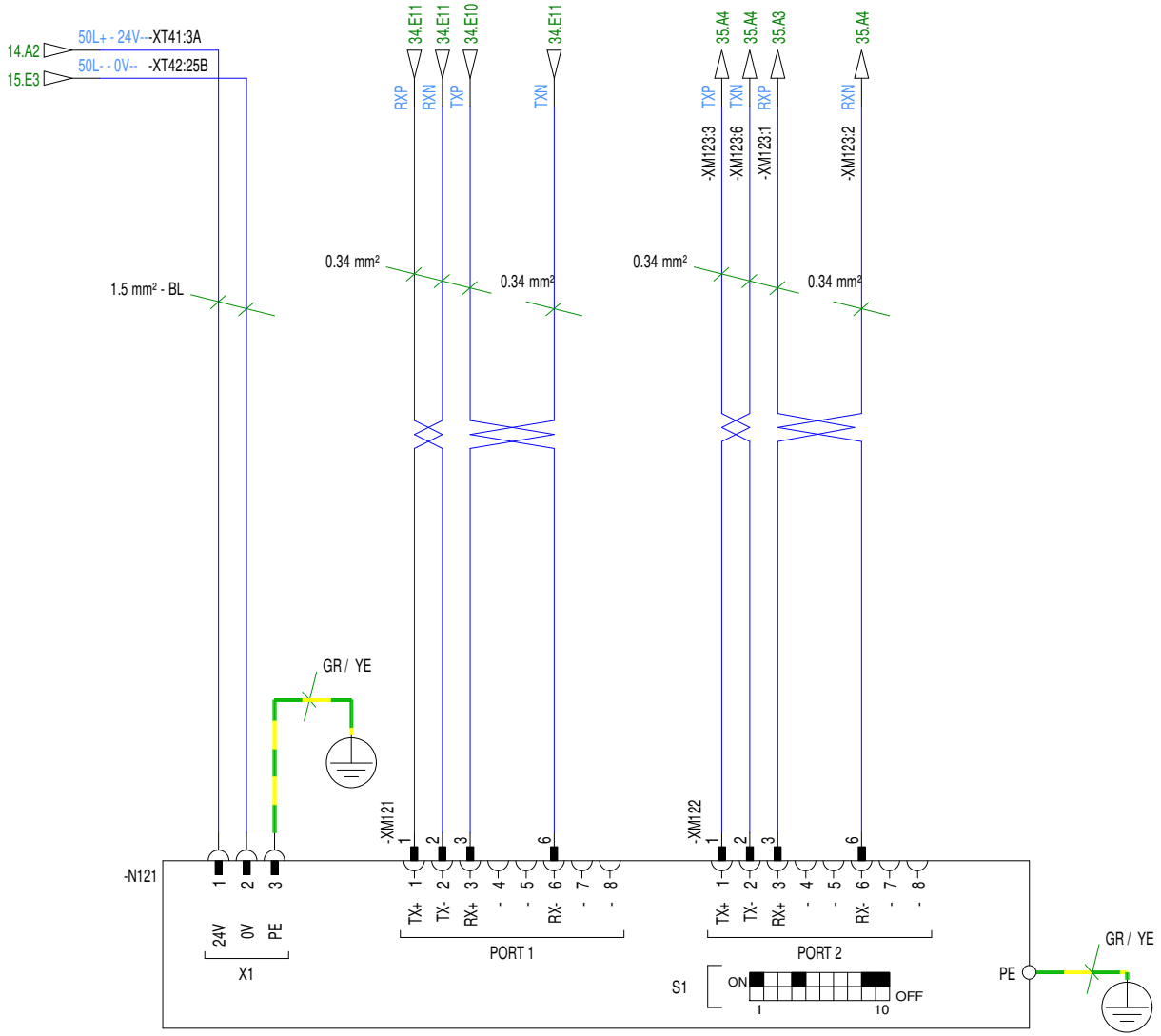
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: REMOTE OPERATOR PANEL

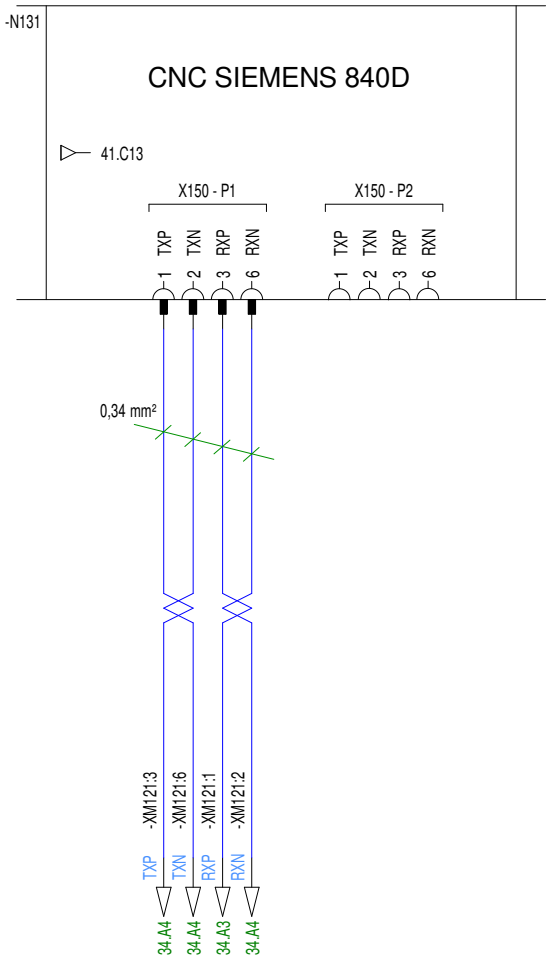
ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	33		ROMI DCM 620-5X V3.0	U14186H



INPUT / OUTPUT MODULE



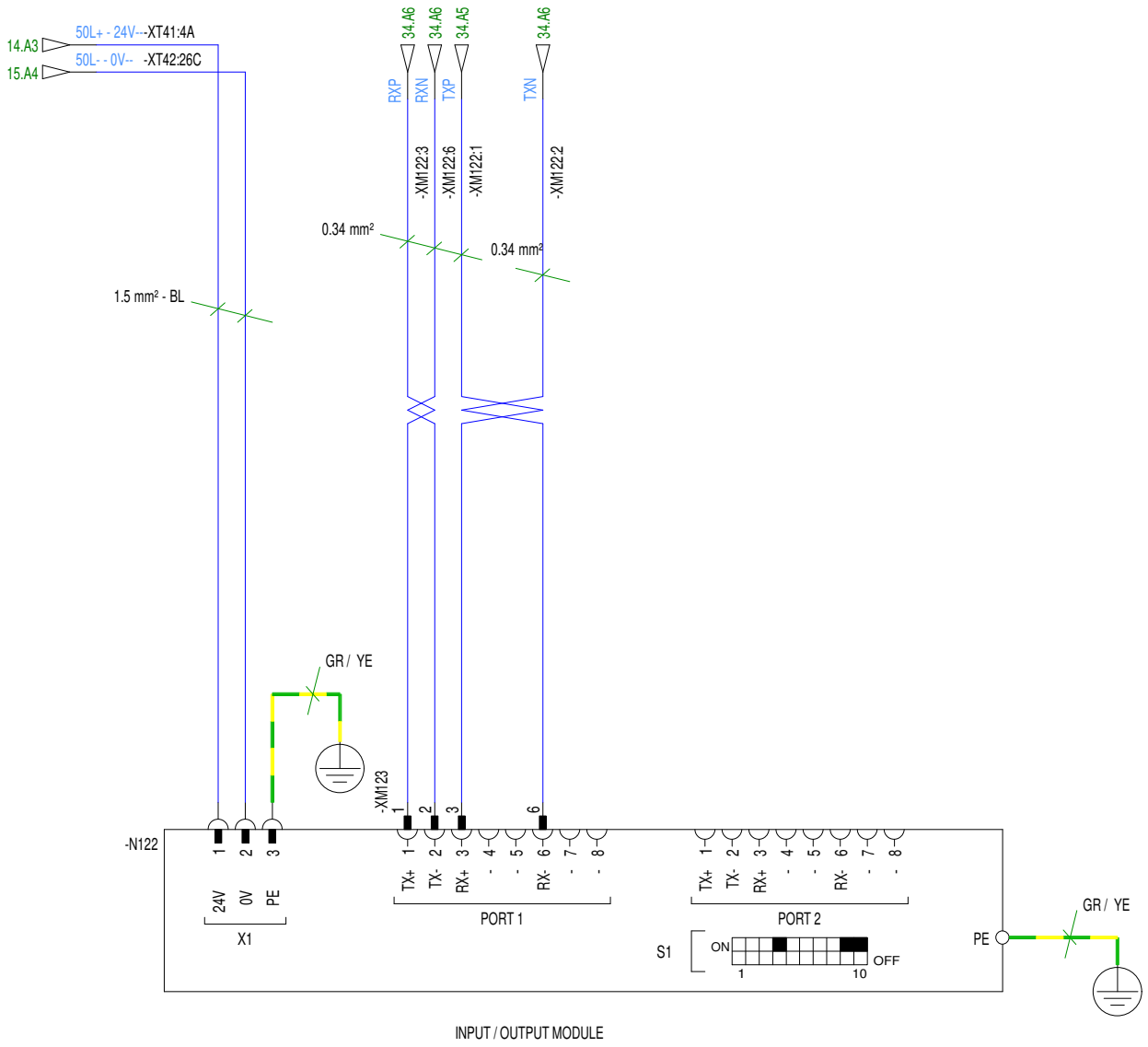
REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15
REL.	MODIFICATION	MODIF.	APROV.	DATE

DESCRIPTION: I/O MODULE

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	34		ROMI DCM 620-5X V3.0	U14186H



INPUT / OUTPUT MODULE

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15
REL.	MODIFICATION	MODIF.	APROV.	DATE

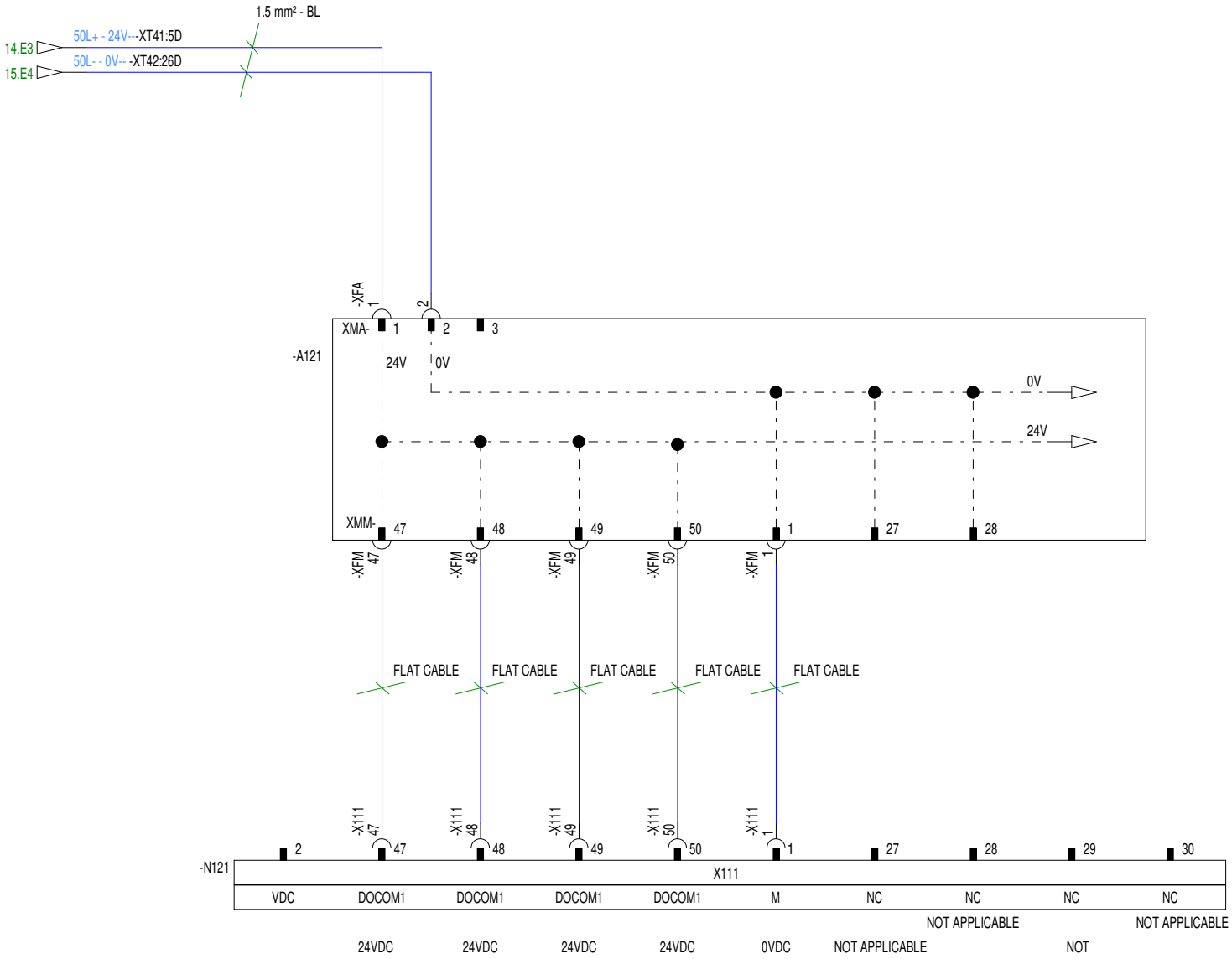
DESCRIPTION: I/O MODULE

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	35		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15
REL.	MODIFICATION	MODIF.	APROV.	DATE

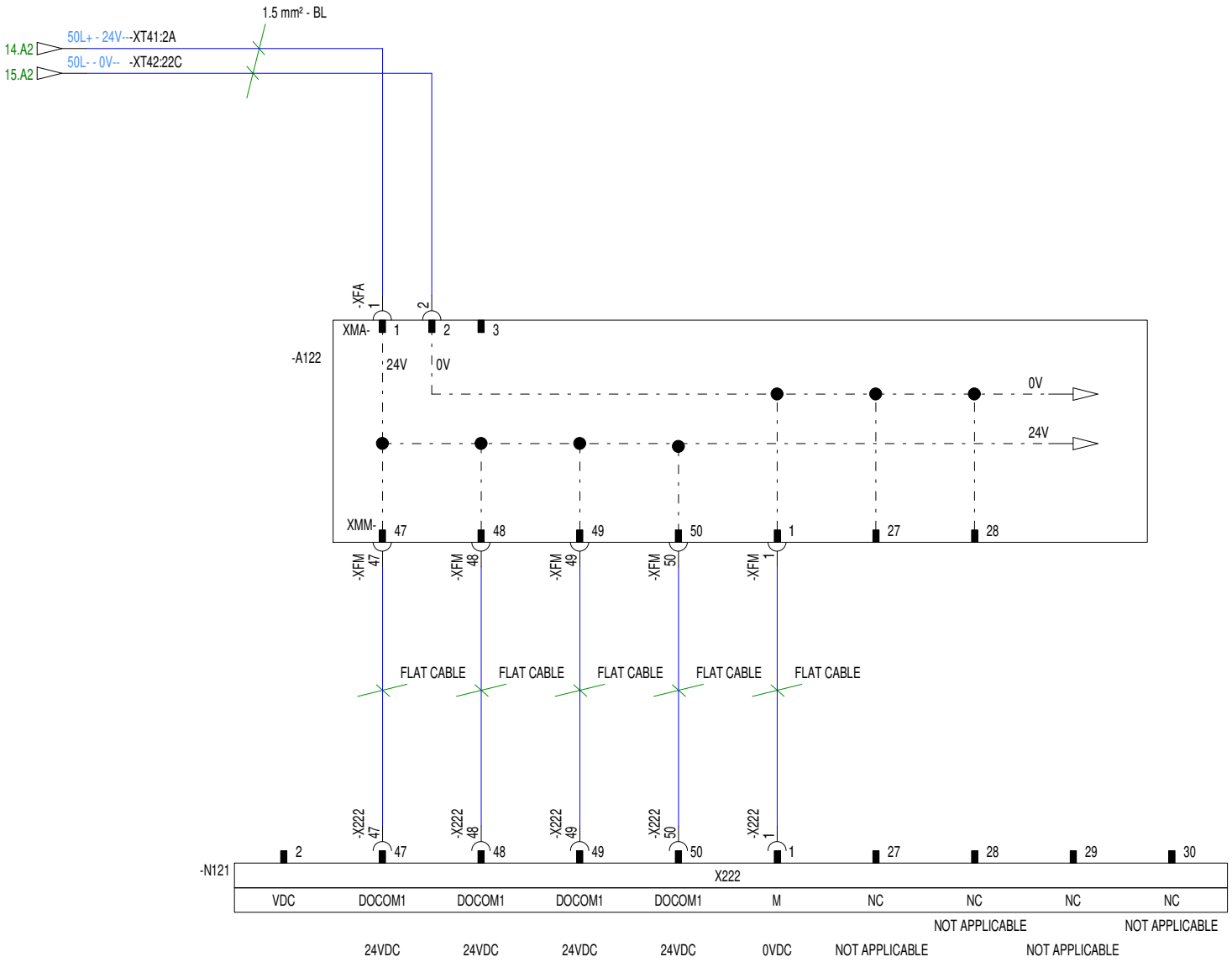
DESCRIPTION: I/O MODULE

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	36		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

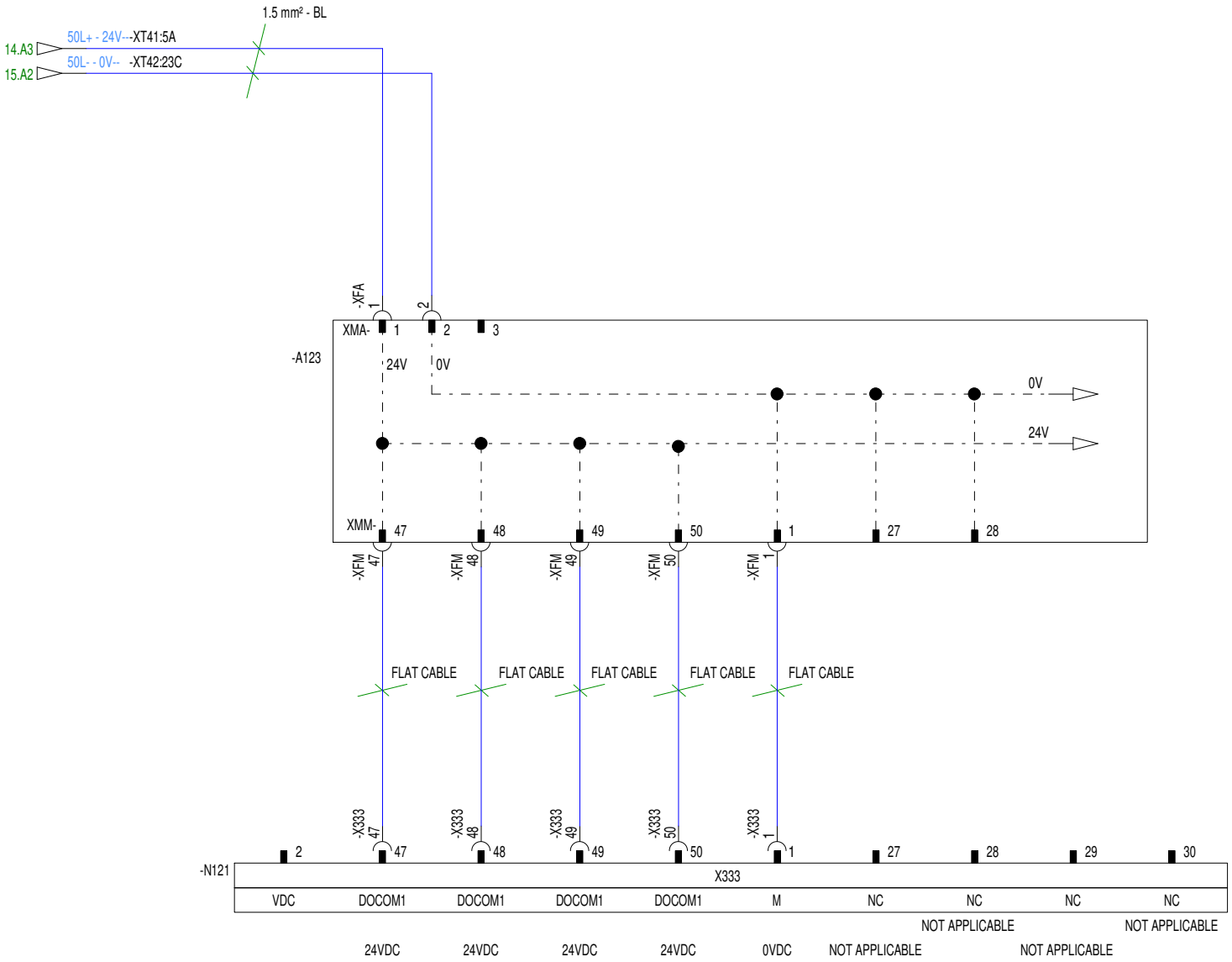
DESCRIPTION: I/O MODULE

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	37		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

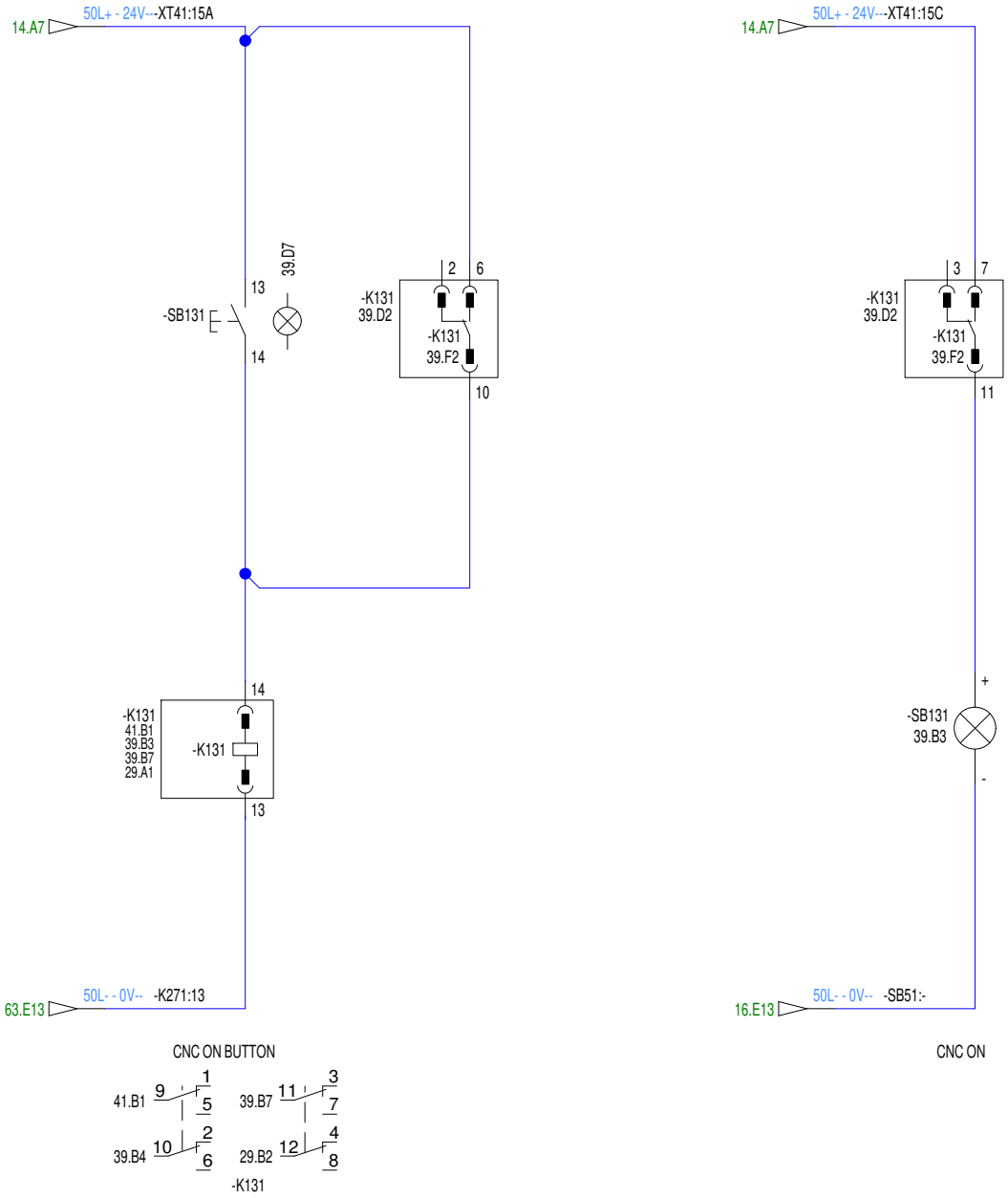
DESCRIPTION: I/O MODULE

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	38		ROMI DCM 620-5X V3.0	U14186H



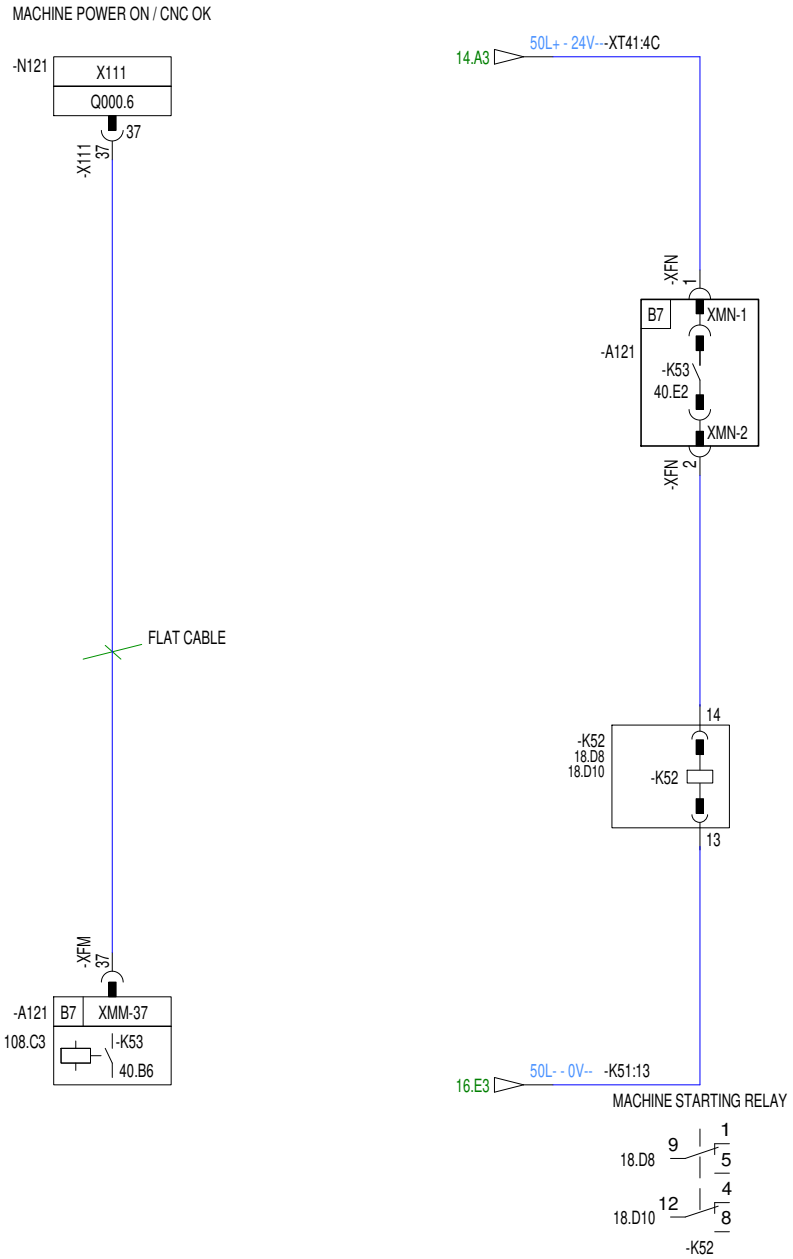
REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15
REL.	MODIFICATION	MODIF.	APROV.	DATE

DESCRIPTION: CNC

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	39		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

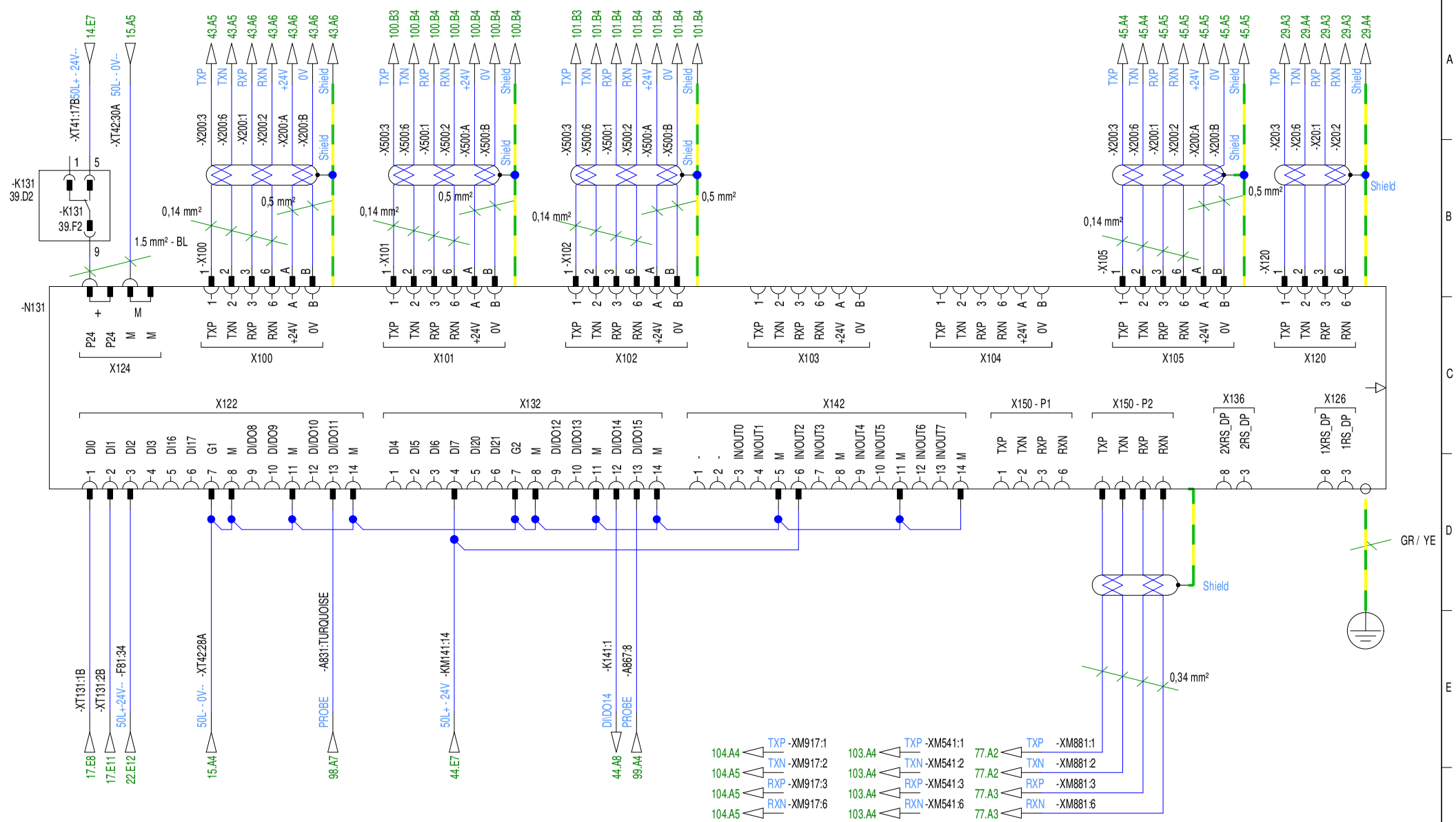
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: CNC

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	40		ROMI DCM 620-5X V3.0	U14186H



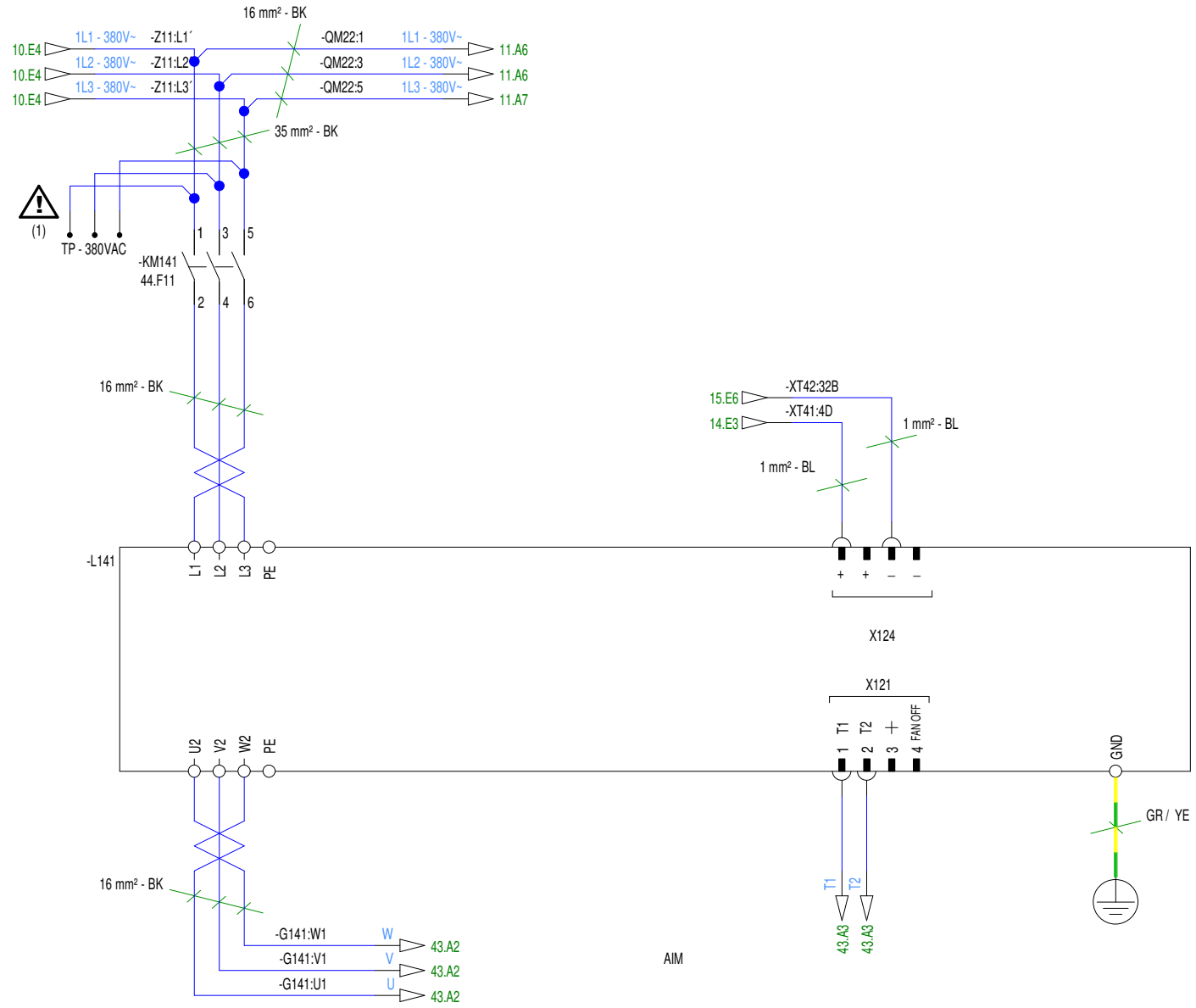
REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: CNC

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	41		ROMI DCM 620-5X V3.0	U14186H



NOTE:

(1) TP - TEST POINT

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

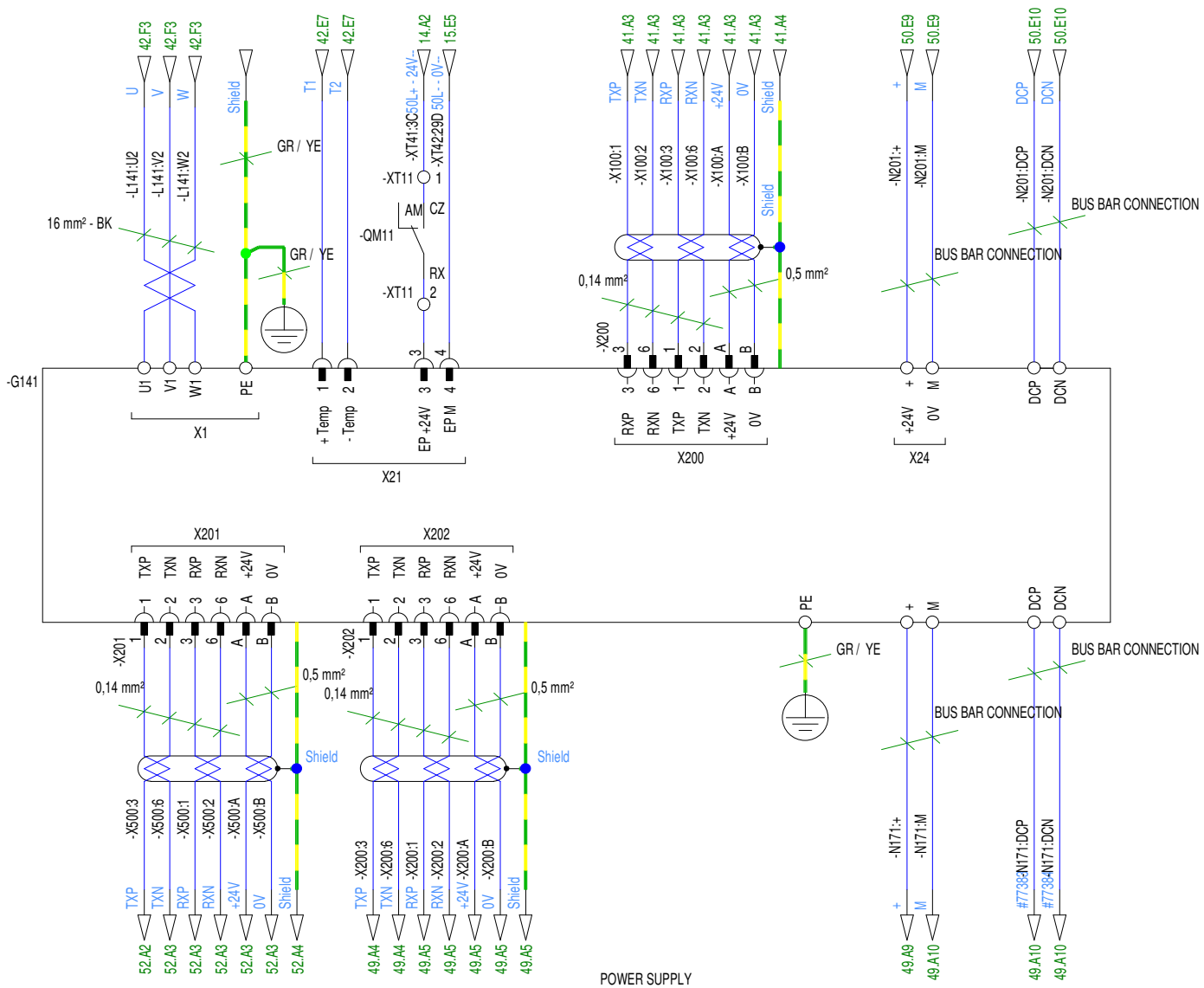
DESCRIPTION: DRIVES POWER SUPPLY

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	42		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15
REL.	MODIFICATION	MODIF.	APROV.	DATE

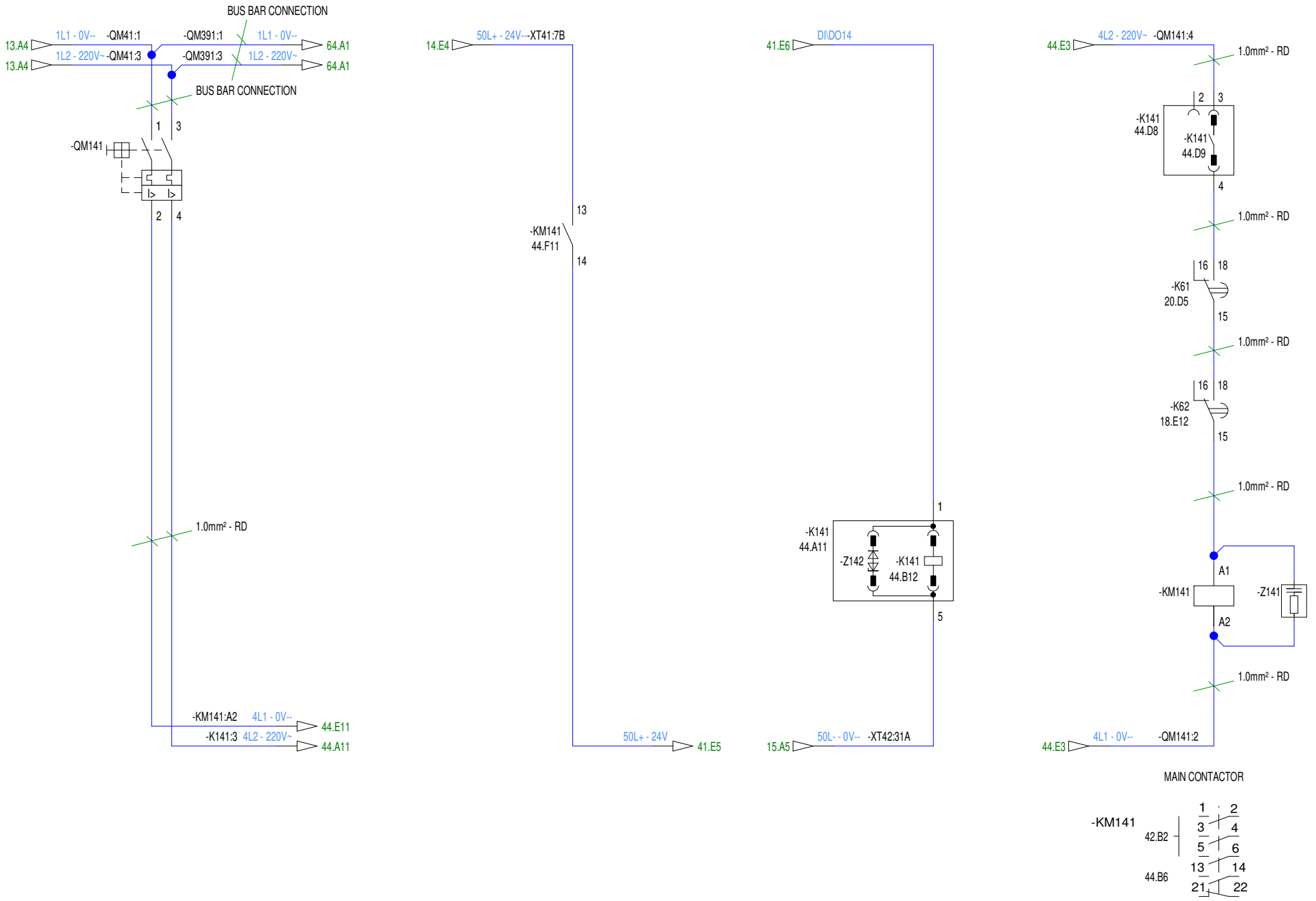
DESCRIPTION: DRIVES POWER SUPPLY

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	43		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

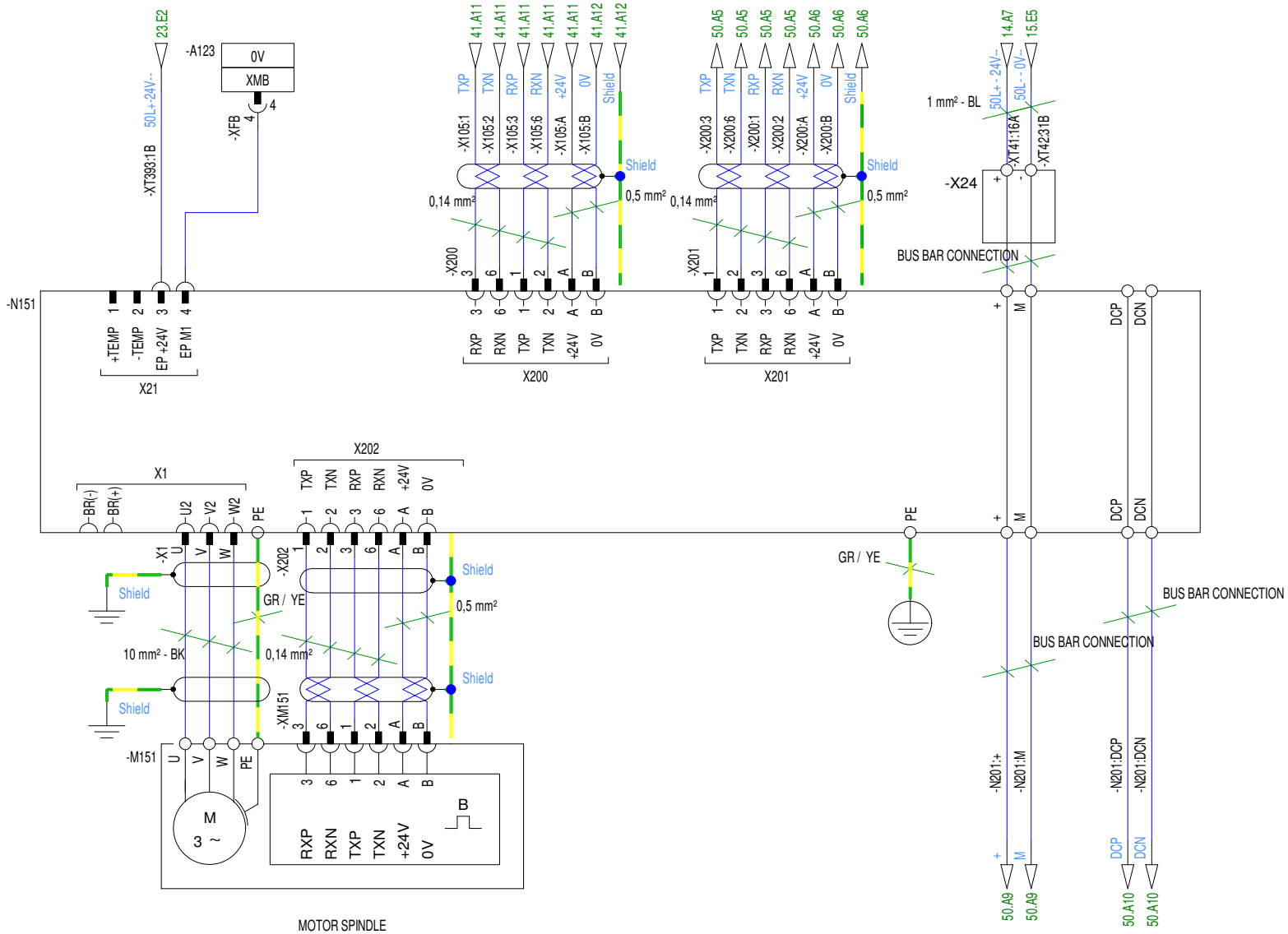
DESCRIPTION: DRIVES POWER SUPPLY

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	44		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

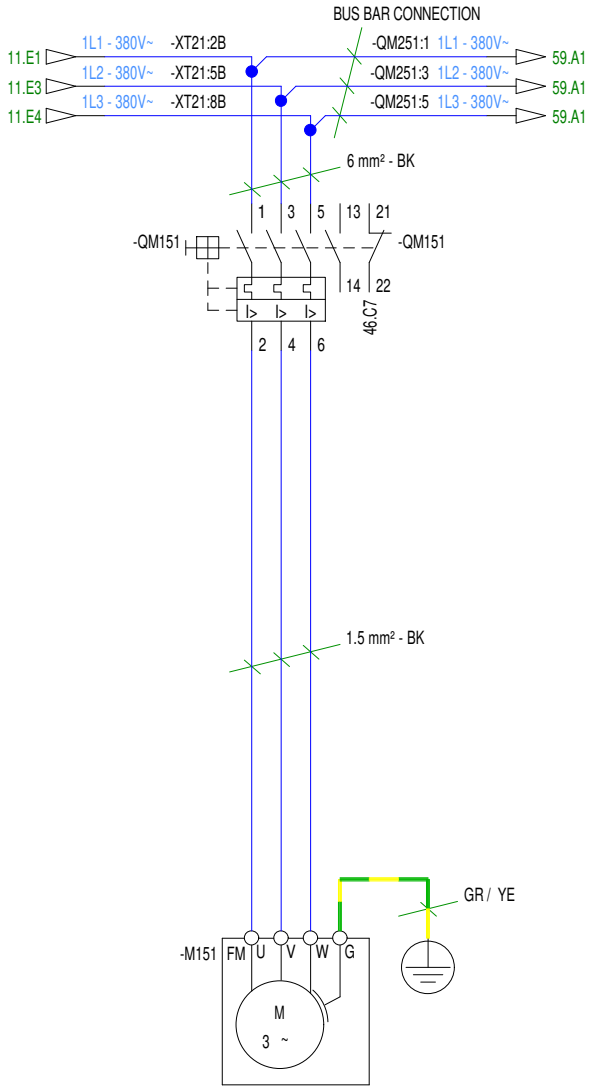
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: SPINDLE

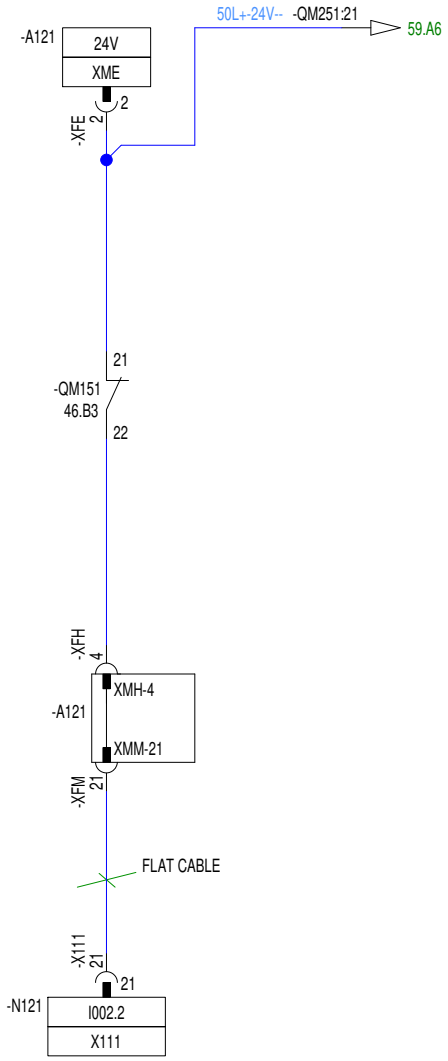
ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	45		ROMI DCM 620-5X V3.0	U14186H



SPINDLE MOTOR BLOWER



MAIN SPINDLE FAN MOTOR OVERLOAD

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

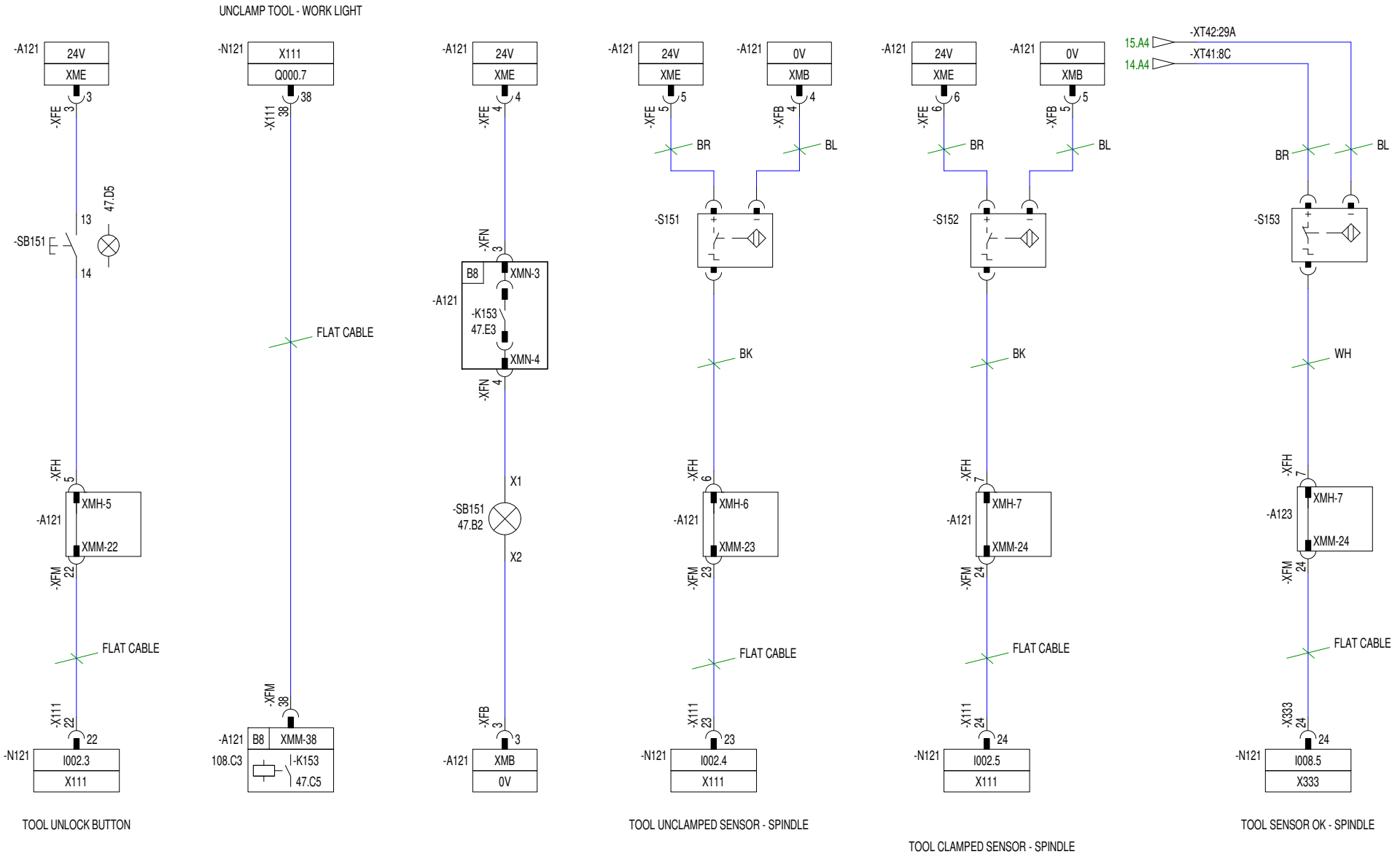
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: SPINDLE

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	46		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

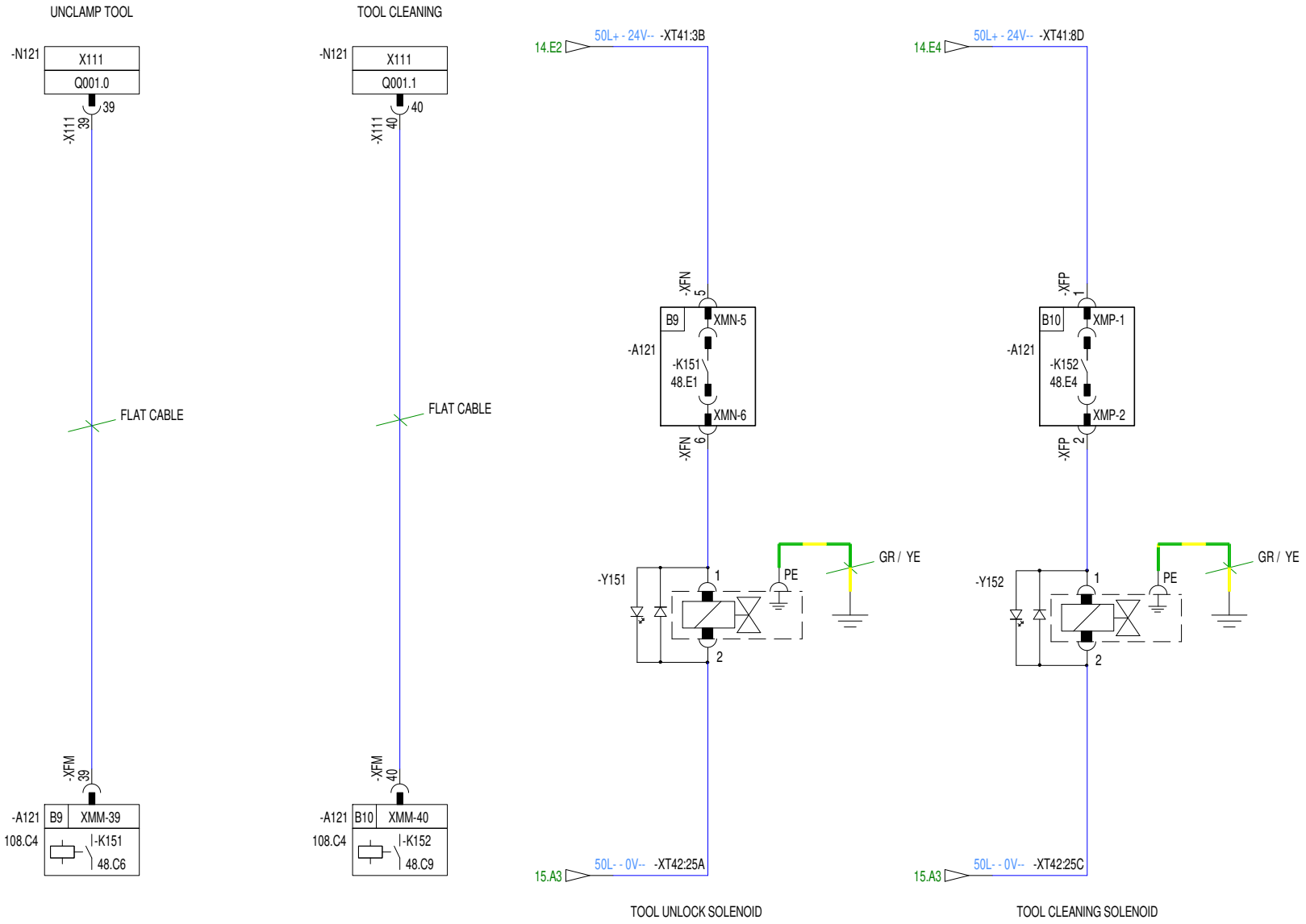
DESCRIPTION: SPINDLE

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	47		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

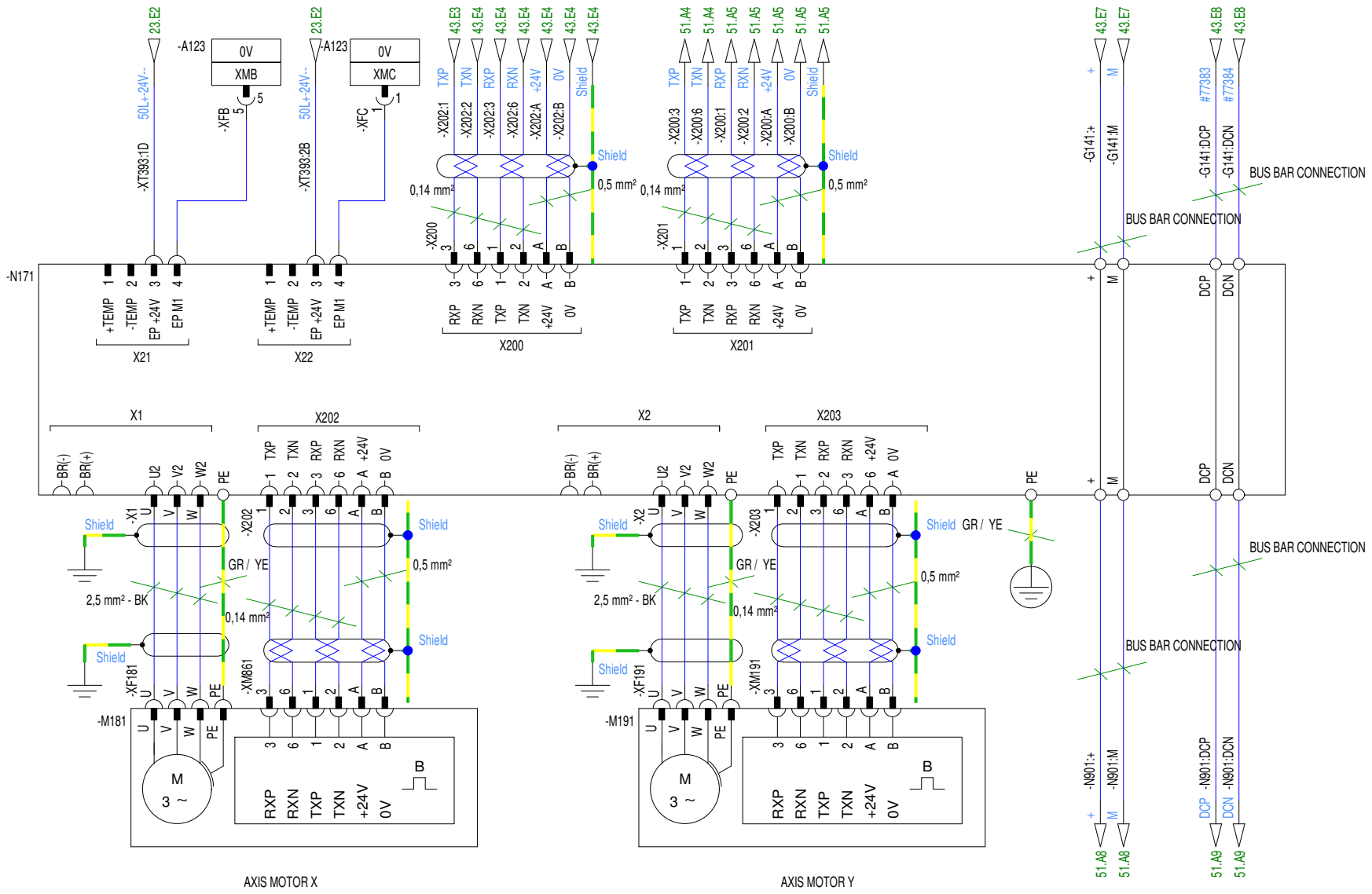
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: SPINDLE

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	48		ROMI DCM 620-5X V3.0	U14186H



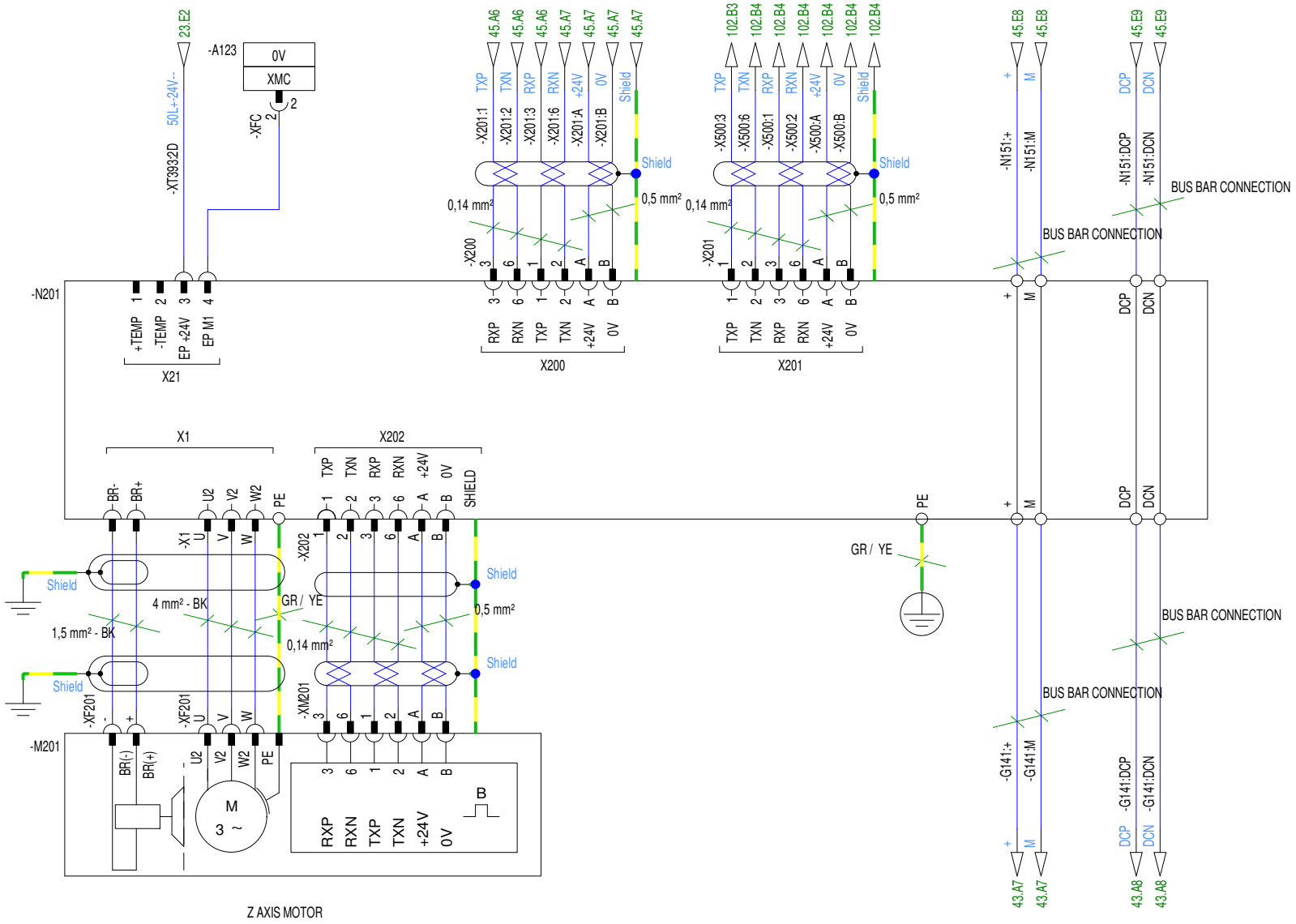
REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: AXES DRIVES - X/Y

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	49		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

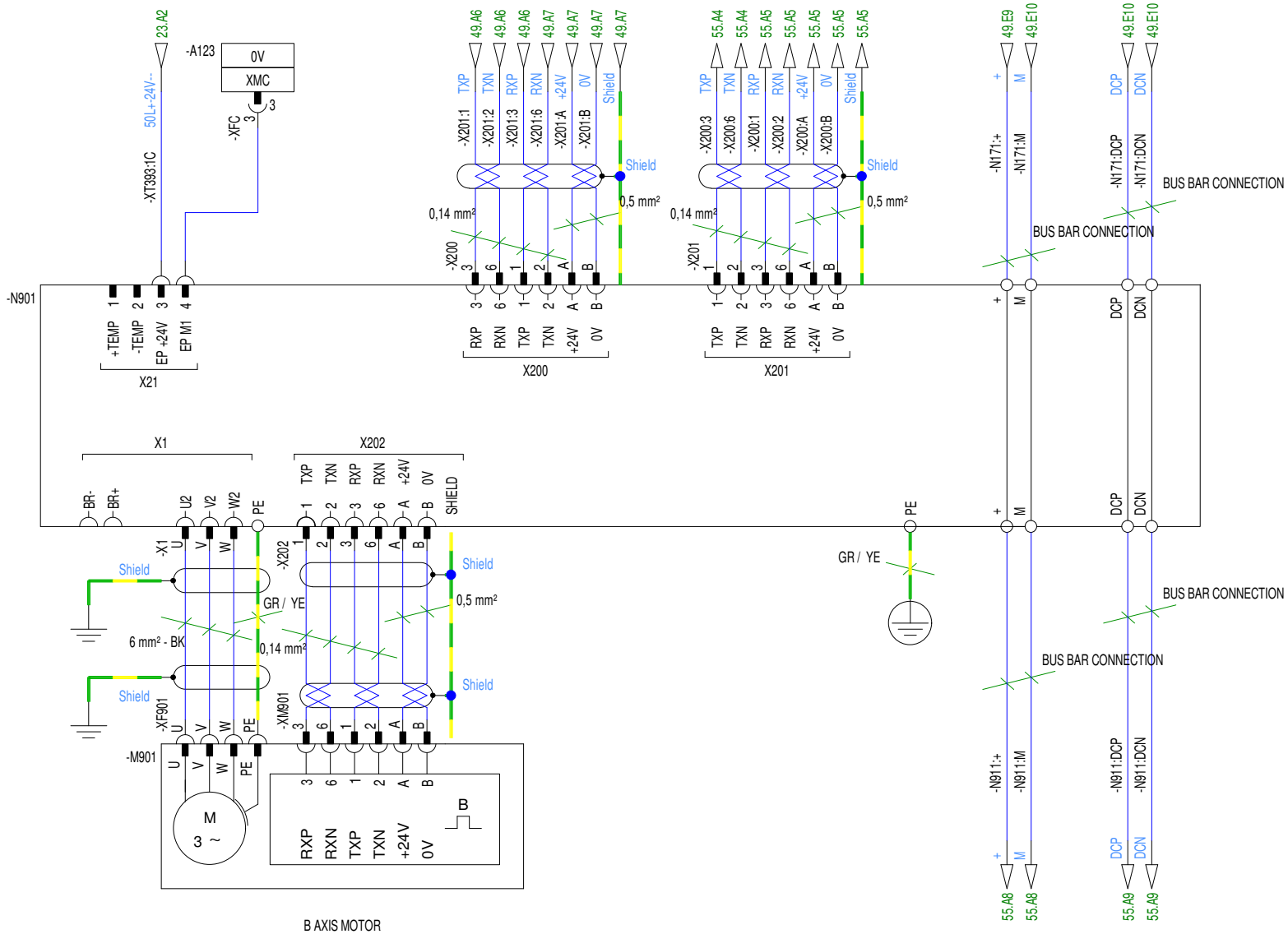
REL.	MODIFICATION	MODIF.	APROV.	DATE

DESCRIPTION: AXES DRIVES - Z

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	50		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

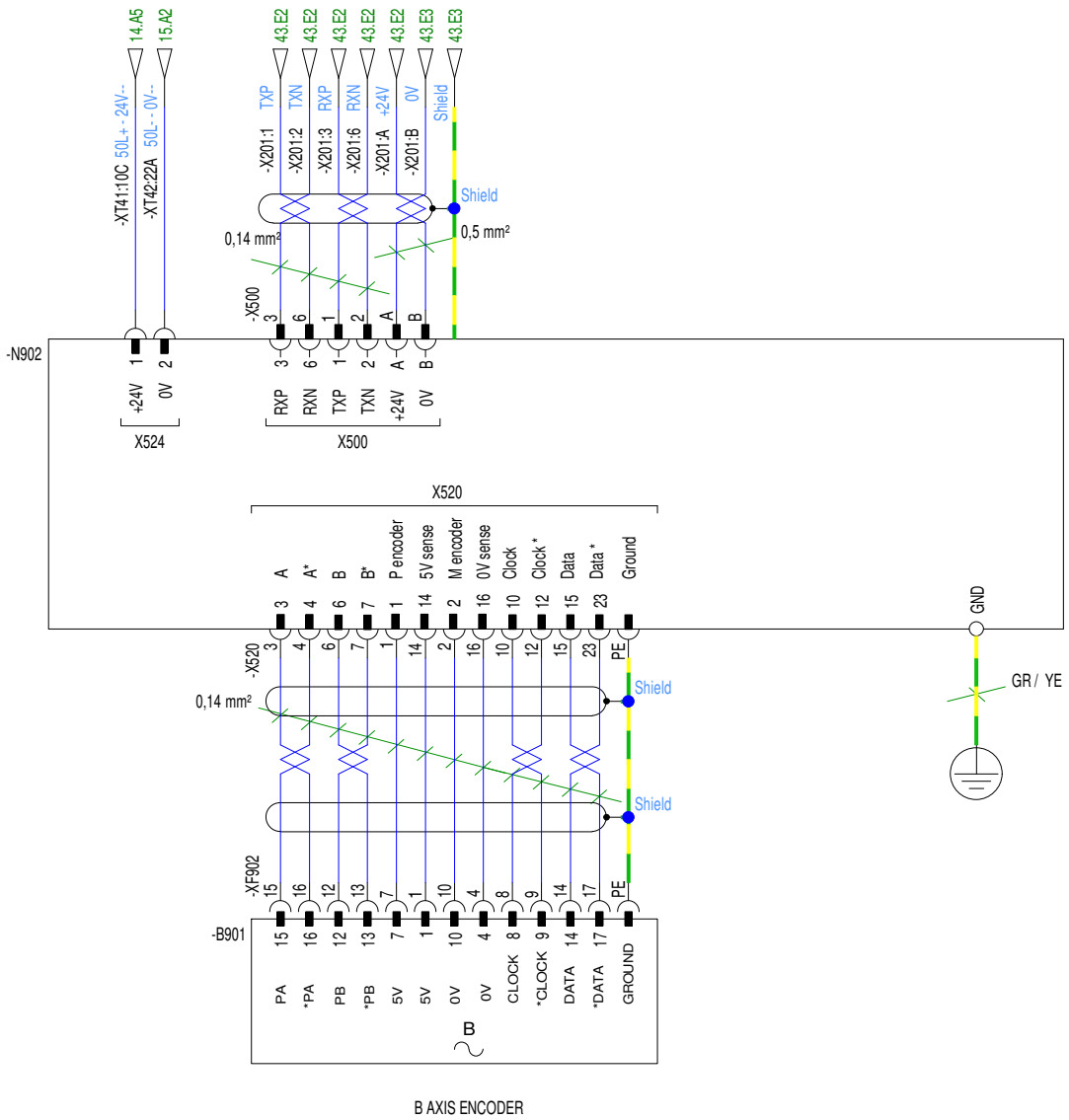
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: ROTATING AXIS - B

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	51		ROMI DCM 620-5X V3.0	U14186H



B AXIS ENCODER

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

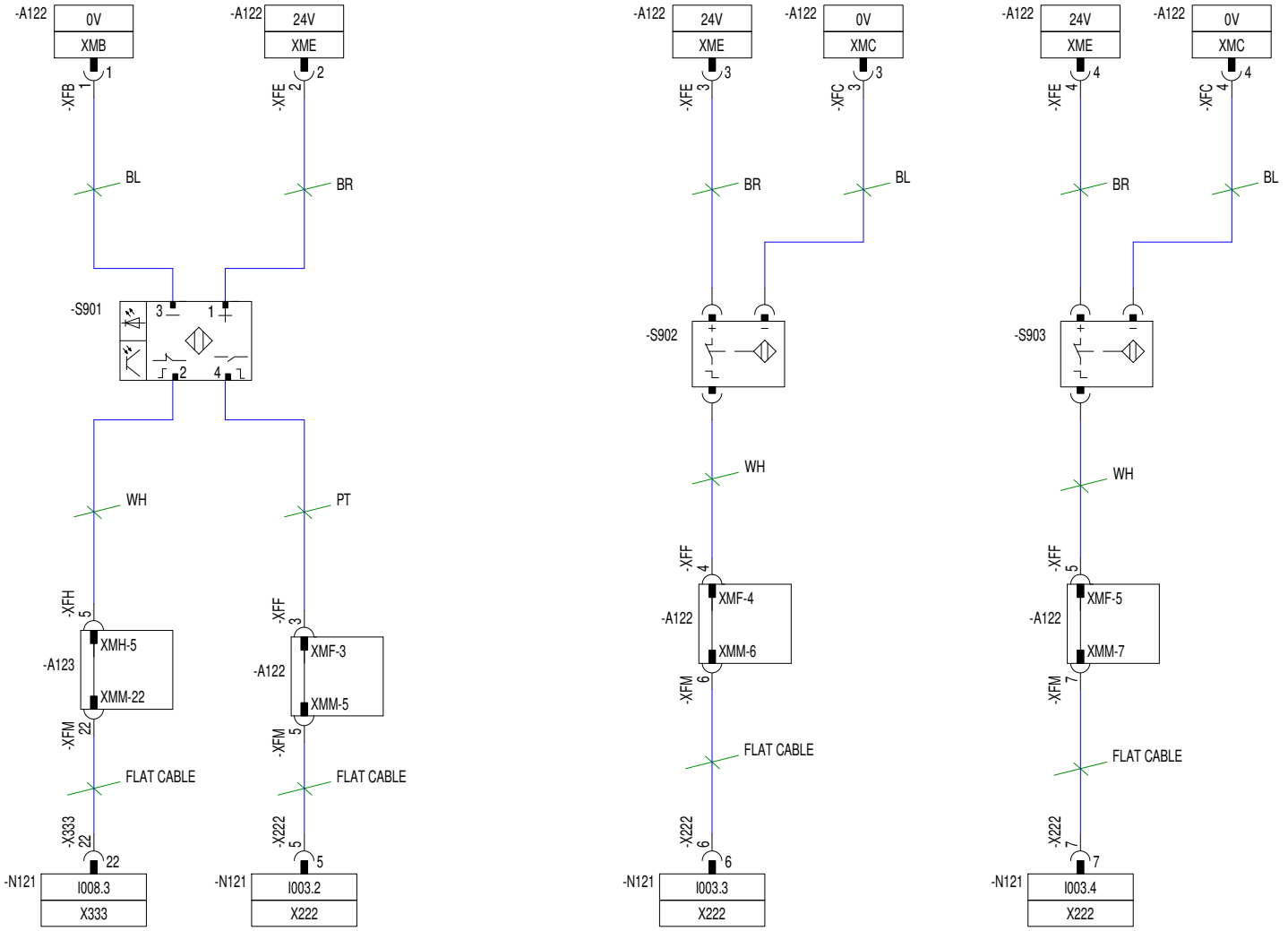
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: ROTATING AXIS - B

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	52		ROMI DCM 620-5X V3.0	U14186H



PRESSURE SWITCH AXIS - B - PRESSURE

PRESSURE SWITCH AXIS - B - LOCKED

SAFETY LIMIT FOR PATH (B+)

SAFETY LIMIT FOR PATH (B-)

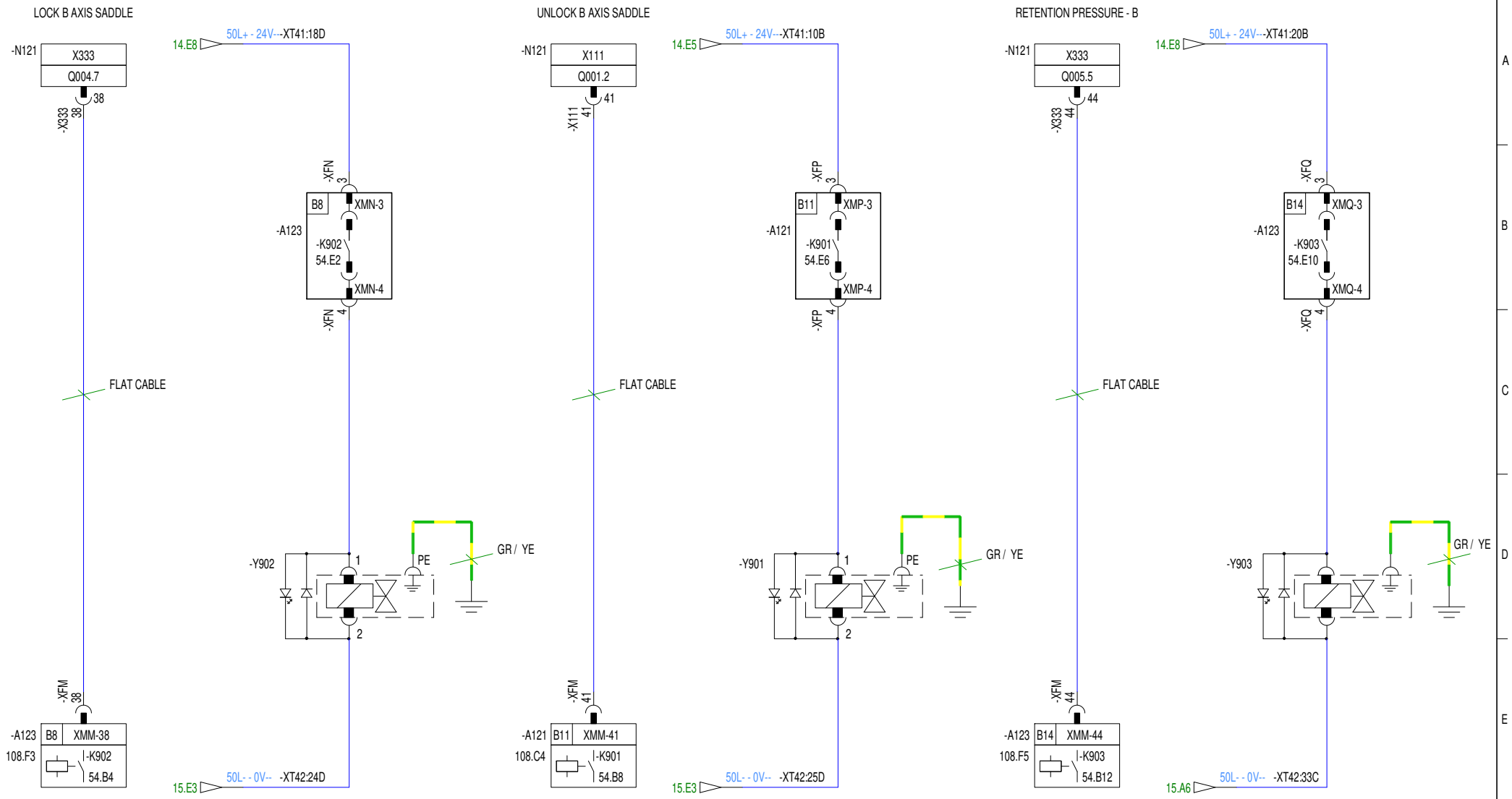
REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15
REL.	MODIFICATION	MODIF.	APROV.	DATE

DESCRIPTION: ROTATING AXIS - B

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	53		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

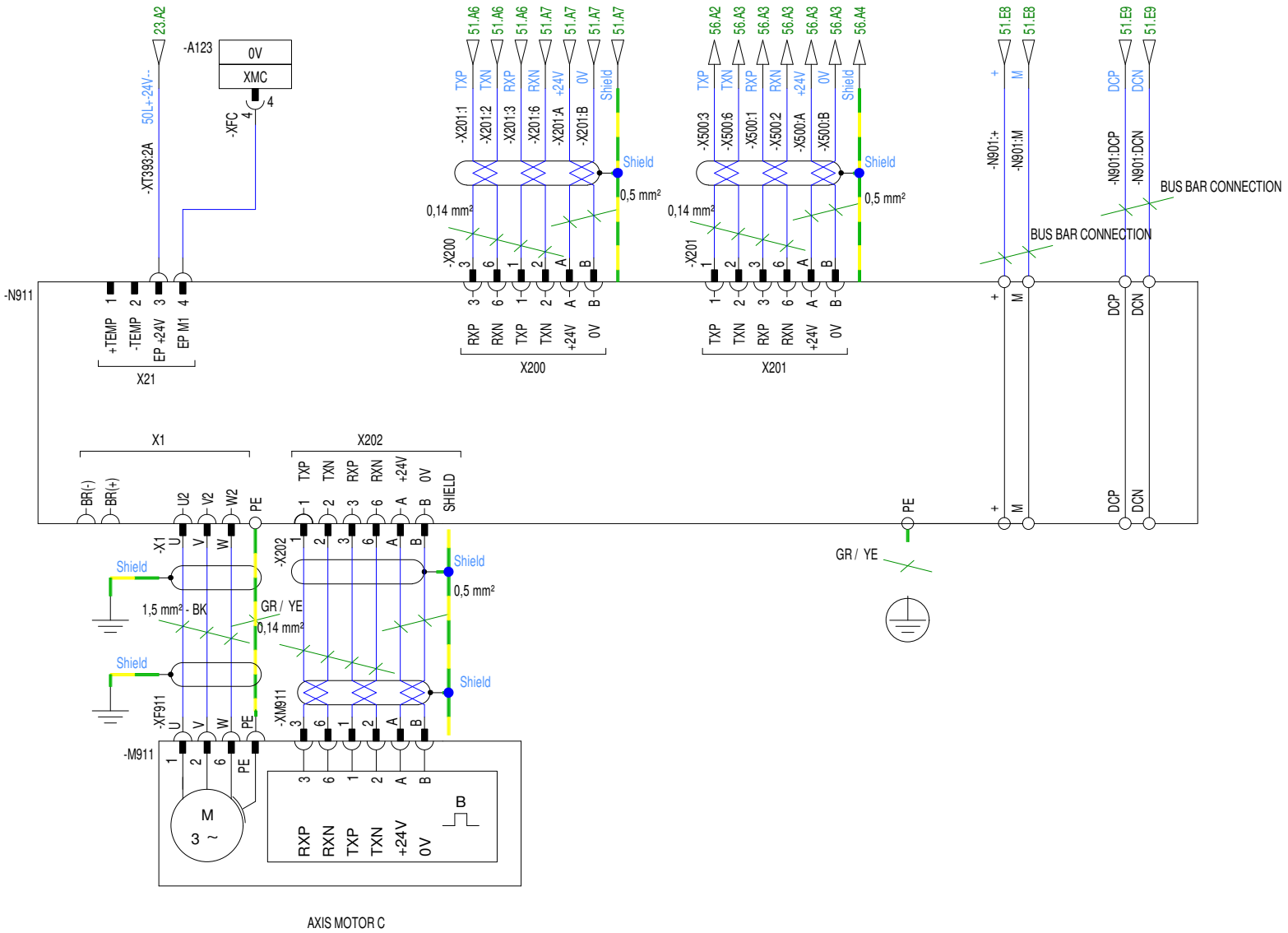
DESCRIPTION: ROTATING AXIS - B

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

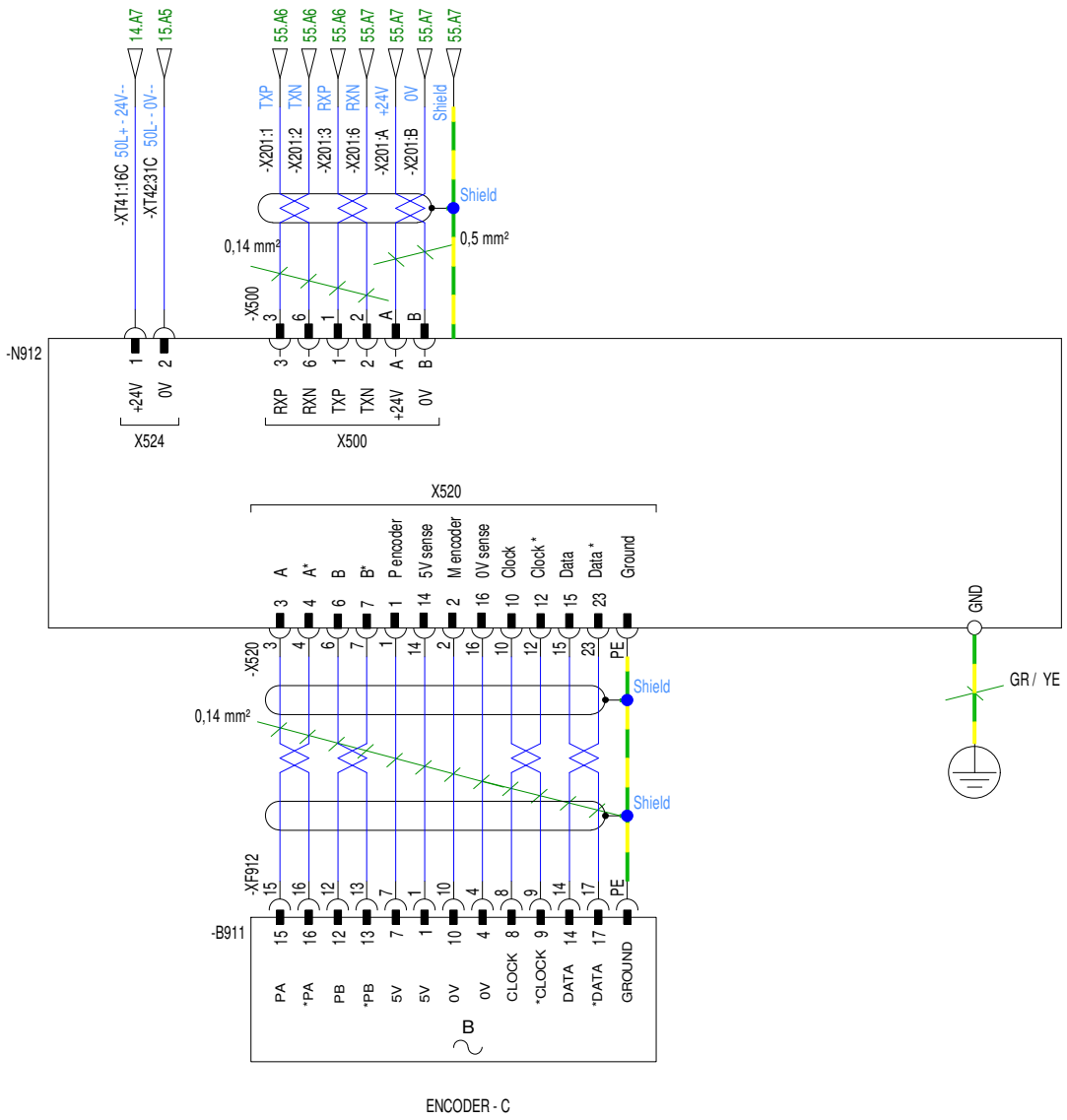
REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	54		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION	ROTATING AXIS - C			
ROMI®	DESIGNED	FERNANDO	11/09/2013	PROJECTION / SIZE A3
	DRAWER	ANDREW	11/09/2013	
	CONTROLLED	VILALTA	11/09/2013	
REFERENCE ROMI DCM	SHEET 55	SCALE	APPLICATION ROMI DCM 620-5X V3.0	N° U14186H



ENCODER - C

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

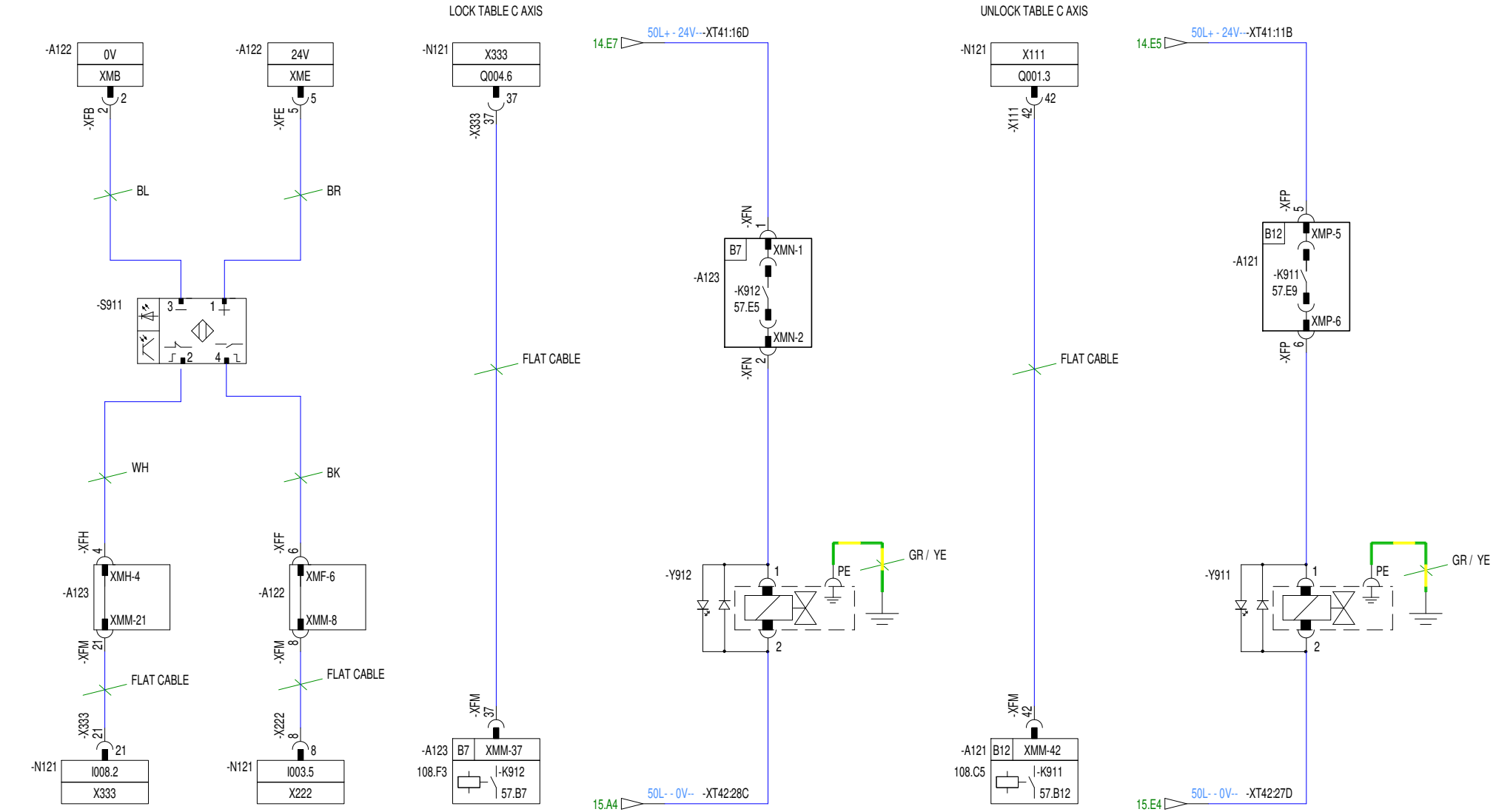
DESCRIPTION: ROTATING AXIS - C

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	56		ROMI DCM 620-5X V3.0	U14186H



PRESSURE SWITCH - AXIS C - PRESSURE PRESSURE SWITCH - AXIS C - LOCKED

TABLE LOCK SOLENOID - C AXIS

TABLE UNLOCK SOLENOID C AXIS

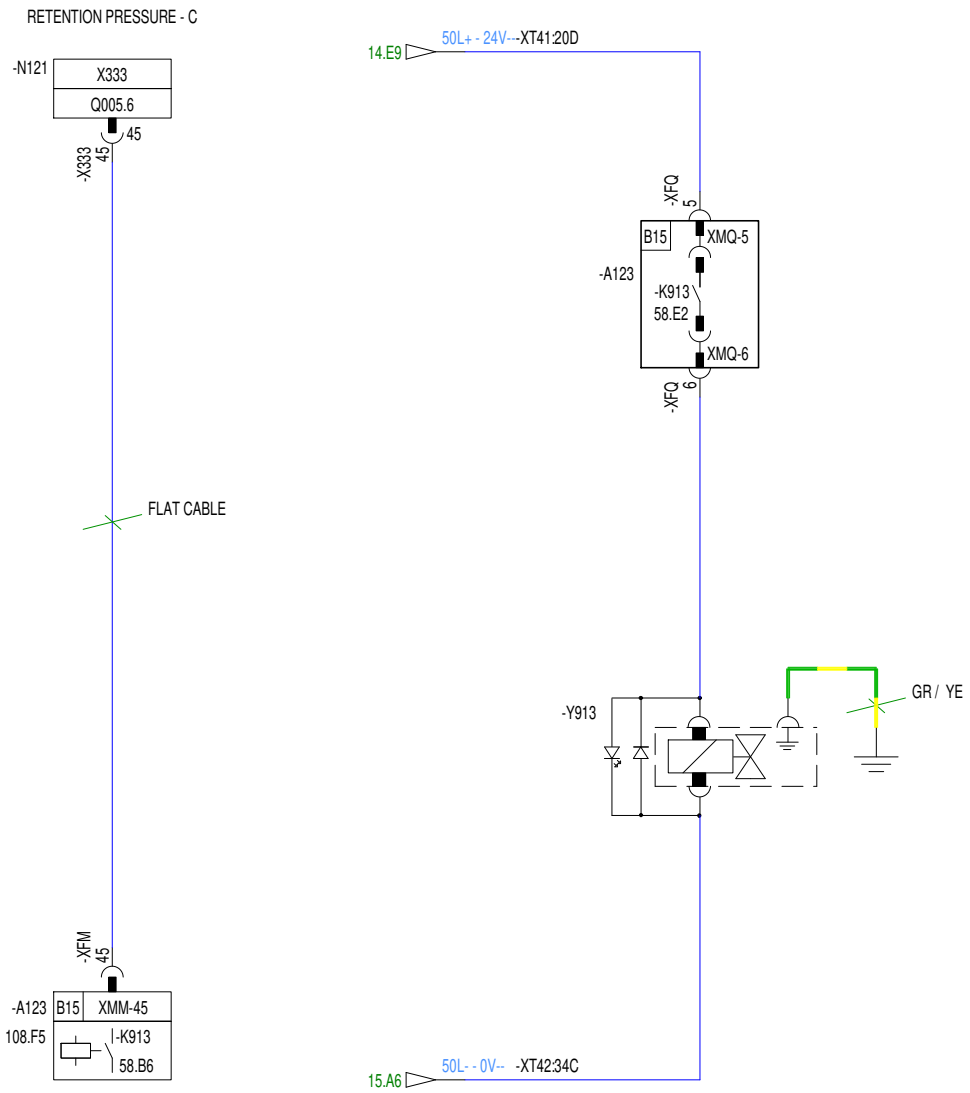
REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: ROTATING AXIS - C

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

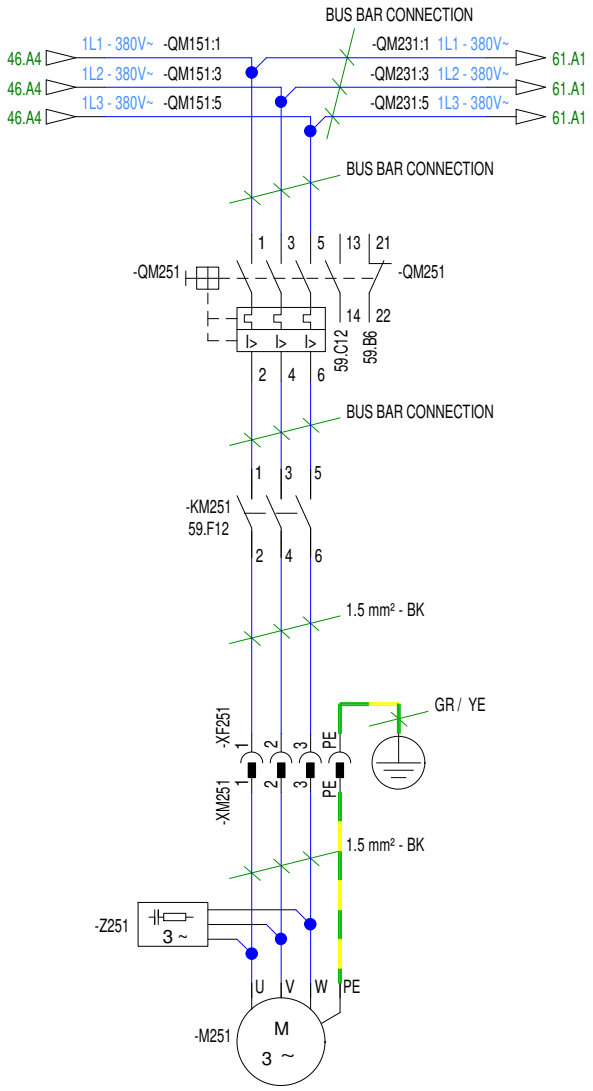
REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	57		ROMI DCM 620-5X V3.0	U14186H



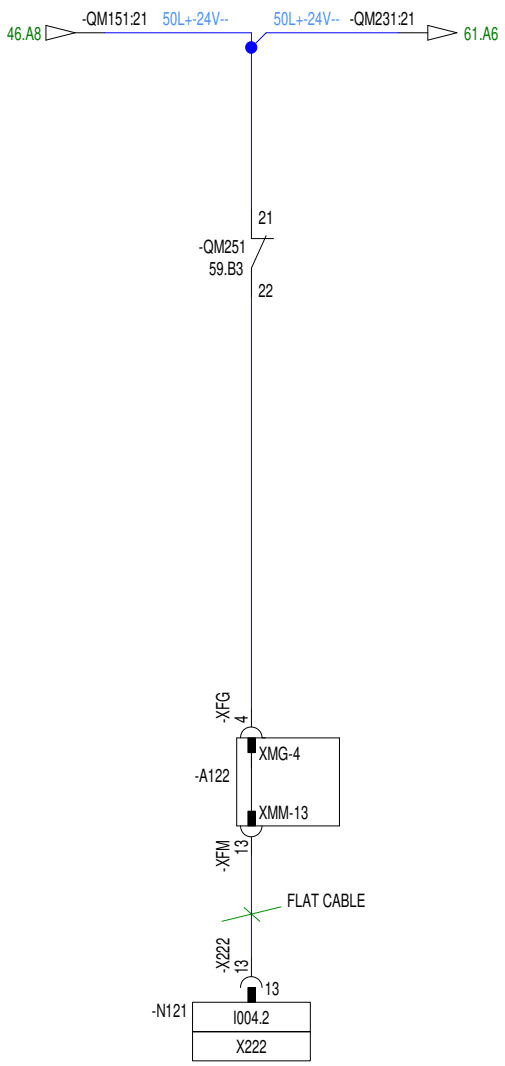
SOLENOID RETENTION PRESSURE - C

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

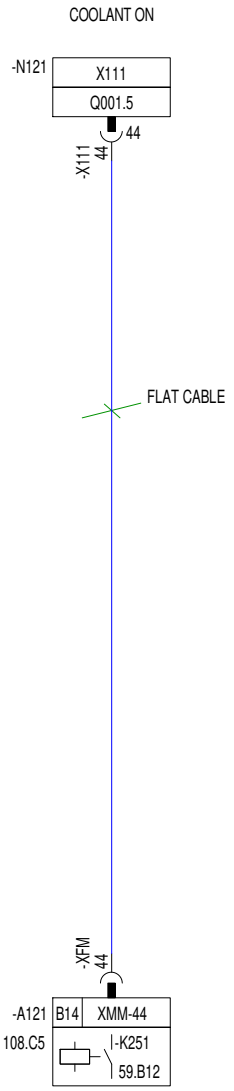
DESCRIPTION	ROTATING AXIS - C				
ROMI®	DESIGNED	FERNANDO	11/09/2013	PROJECTION	SIZE
	DRAWER	ANDREW	11/09/2013		A3
	CONTROLLED	VILALTA	11/09/2013		
REFERENCE ROMI DCM	SHEET 58	SCALE	APPLICATION ROMI DCM 620-5X V3.0	N° U14186H	

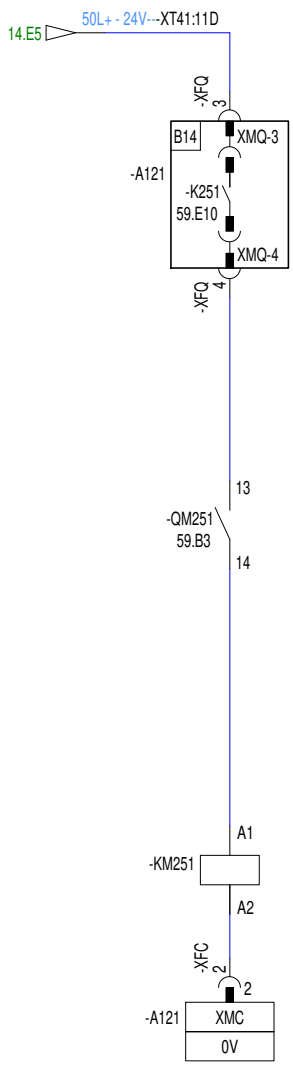


FLOOD COOLANT MOTOR

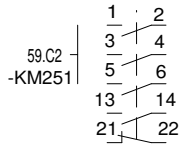


COOLANT PUMP MOTOR OVERLOAD



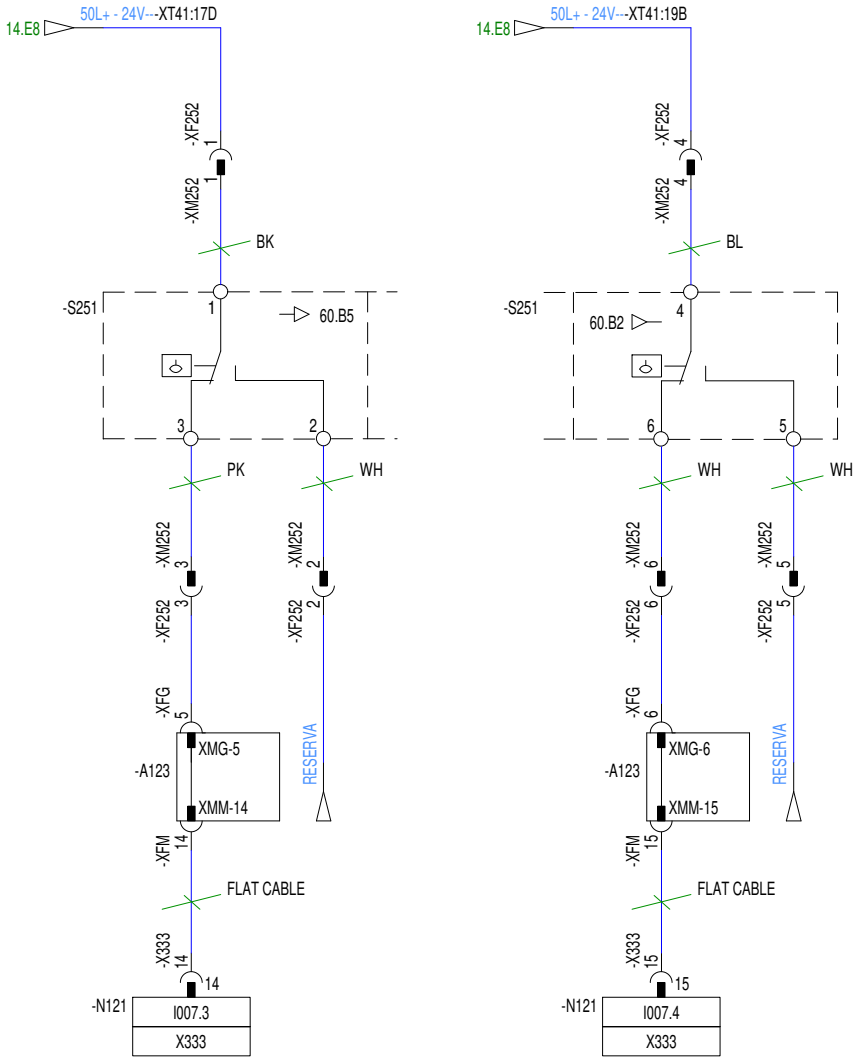


COOLANT MOTOR CONTACTOR



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION	FLOOD COOLANT			
ROMI®	DESIGNED	FERNANDO	11/09/2013	PROJECTION / SIZE A3
	DRAWER	ANDREW	11/09/2013	
	CONTROLLED	VILALTA	11/09/2013	
REFERENCE ROMI DCM	SHEET 59	SCALE	APPLICATION ROMI DCM 620-5X V3.0	N° U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

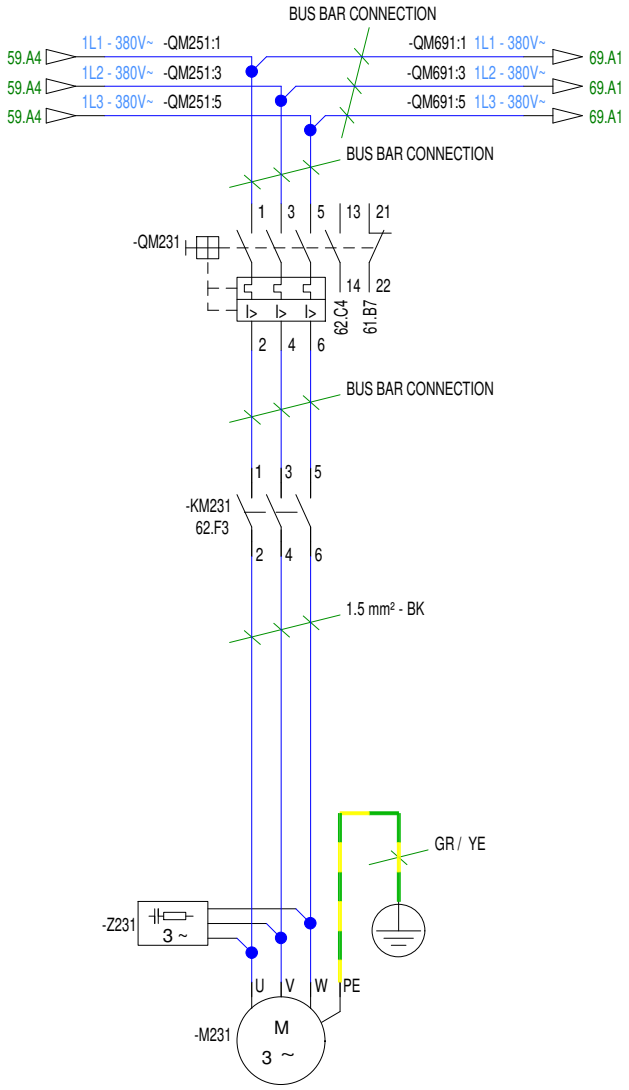
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: FLOOD COOLANT

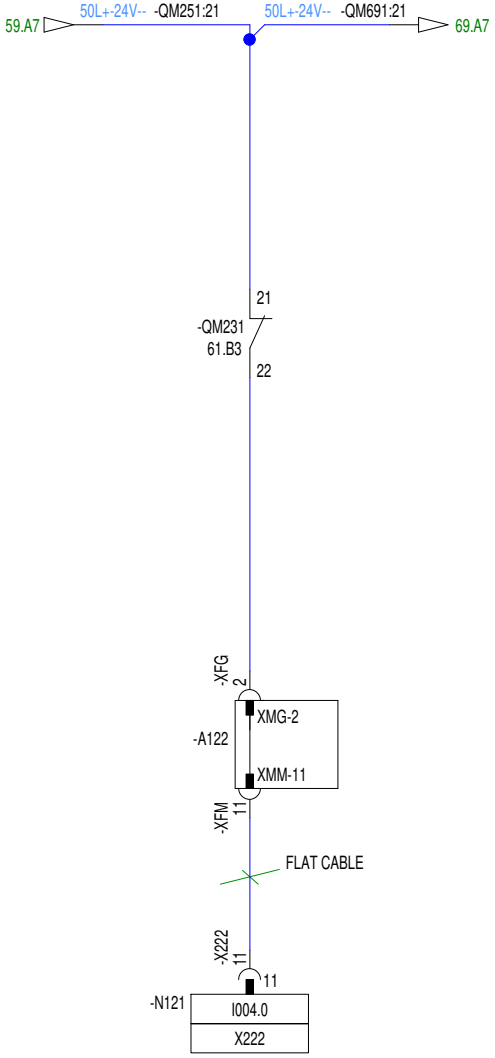
ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

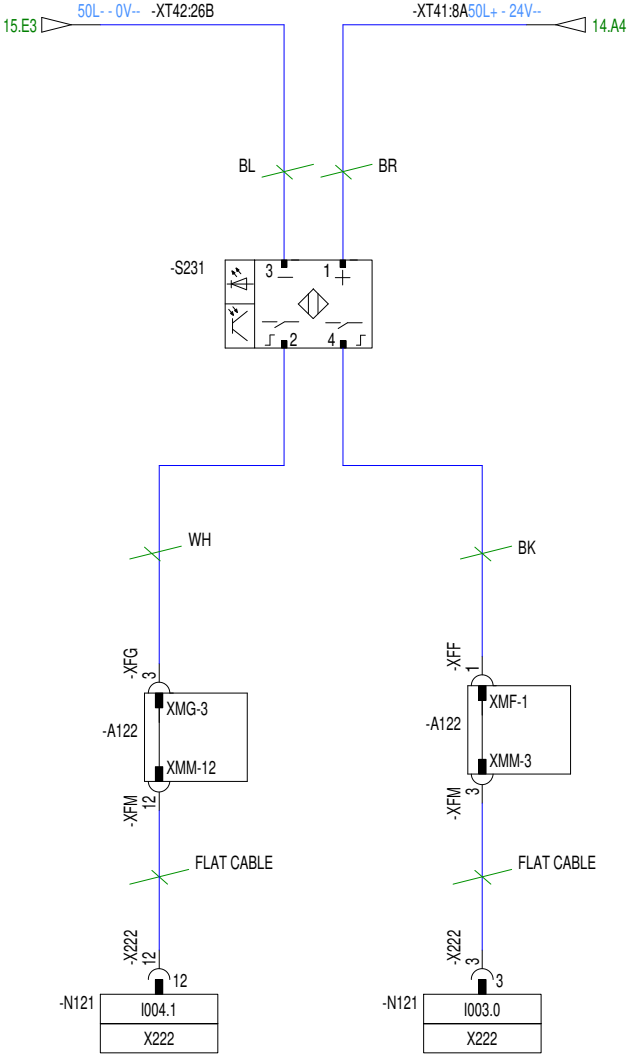
REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	60		ROMI DCM 620-5X V3.0	U14186H



HIDRAULIC UNIT MOTOR



HYDRAULIC UNIT MOTOR OVERLOAD

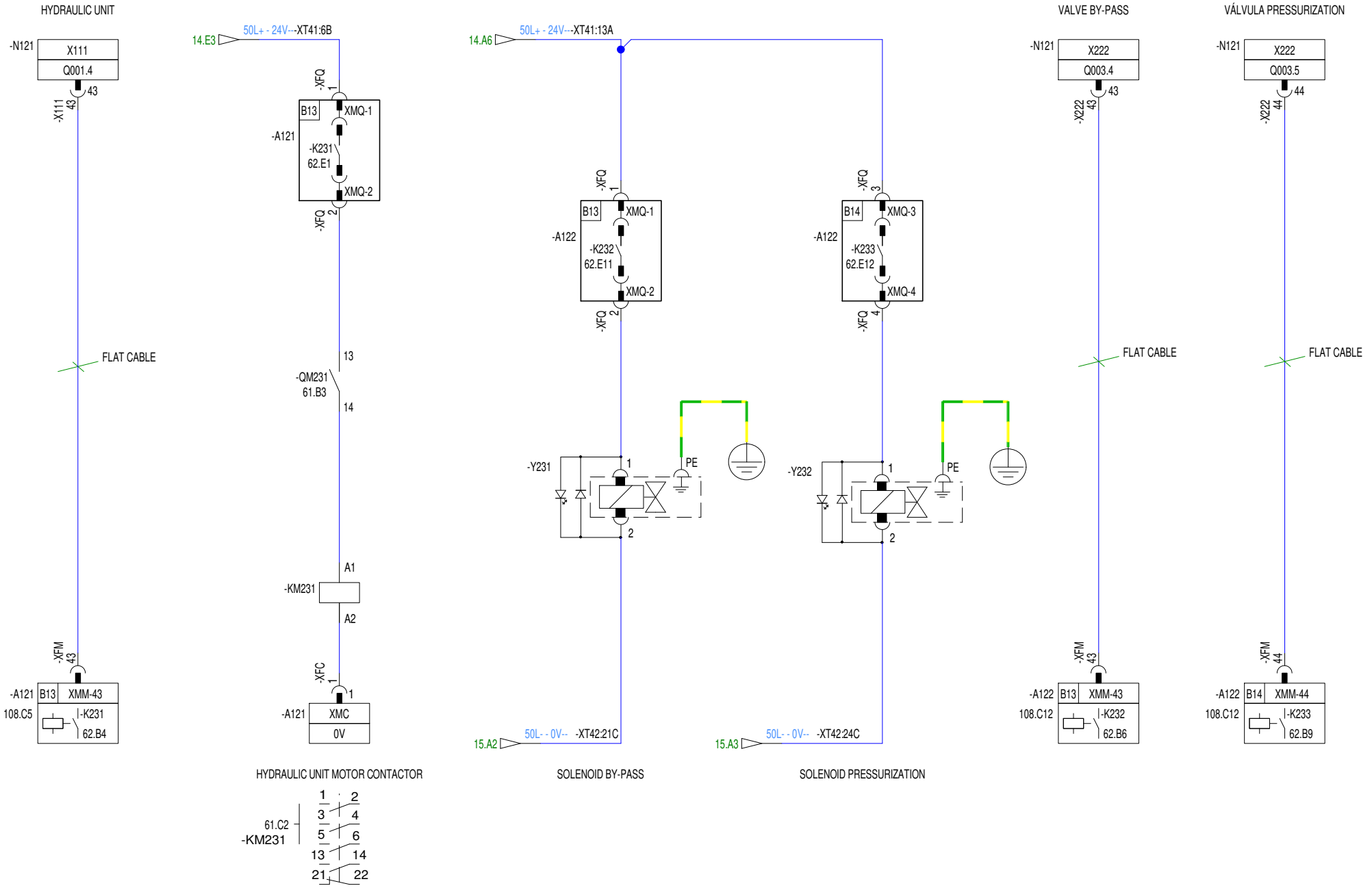


PRESSURE SWITCH PRESSURE MAX. HYDRAULIC UNIT - SP2

PRESSURE SWITCH PRESSURE MIN. HYDRAULIC UNIT - SP1

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION	HYDRAULIC UNIT				
ROMI®	DESIGNED	FERNANDO	11/09/2013	PROJECTION	SIZE
	DRAWER	ANDREW	11/09/2013		A3
	CONTROLLED	VILALTA	11/09/2013		
REFERENCE ROMI DCM	SHEET 61	SCALE	APPLICATION ROMI DCM 620-5X V3.0	N° U14186H	



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

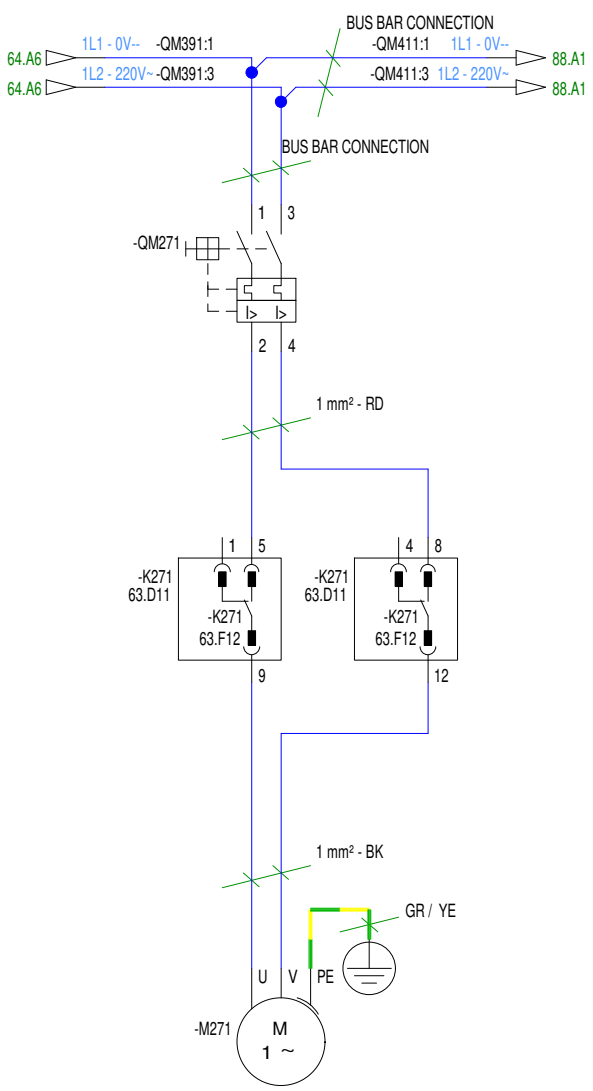
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: HYDRAULIC UNIT

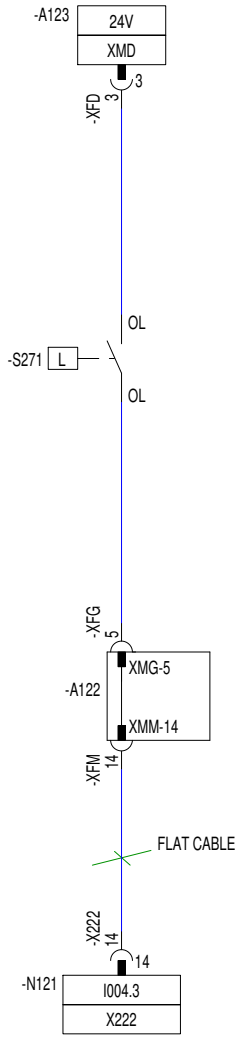
ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

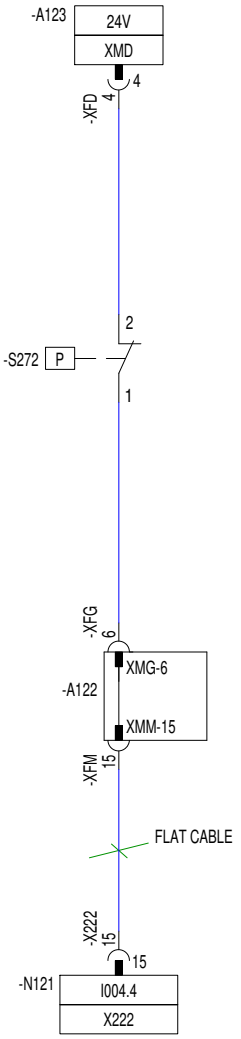
REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	62		ROMI DCM 620-5X V3.0	U14186H



LUBE PUMP MOTOR

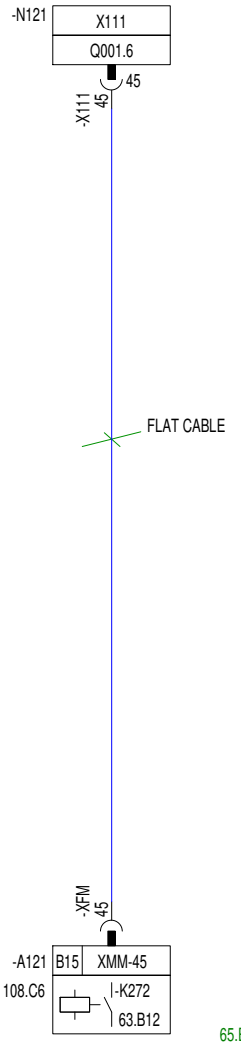


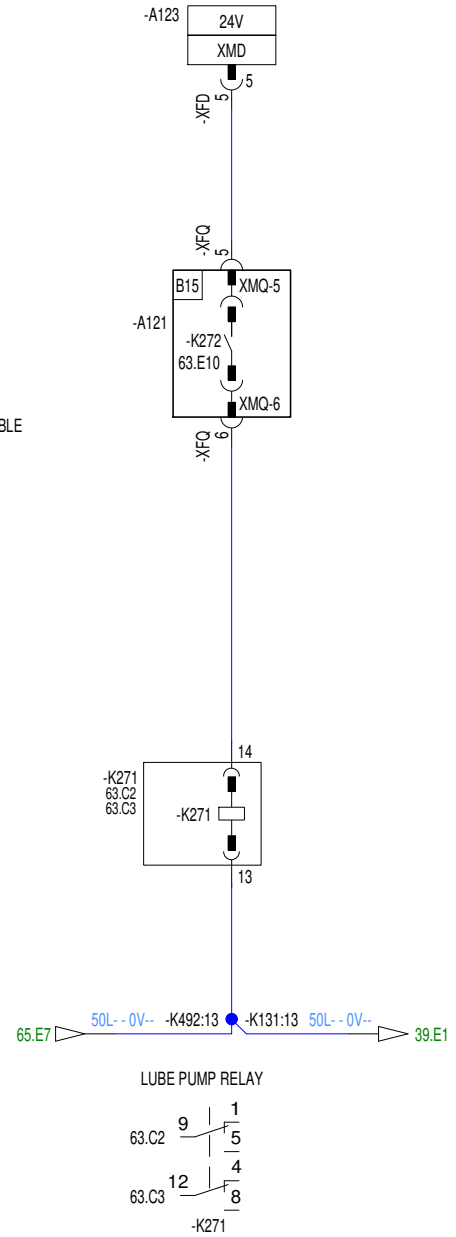
LOW LUBE LEVEL



LOW LUB PRESSURE

LUBE PUMP MOTOR ON





LUBE PUMP RELAY

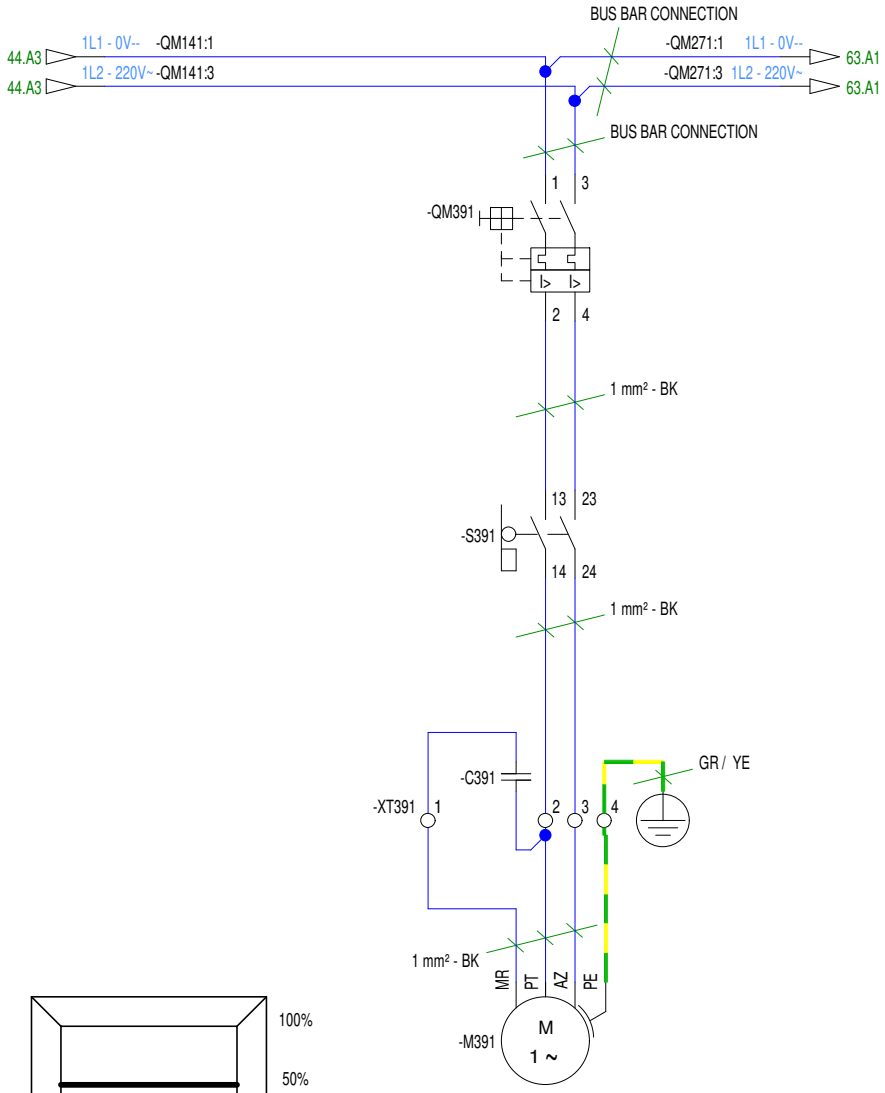
REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: LUBE PUMP

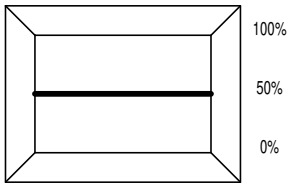
ROMI®

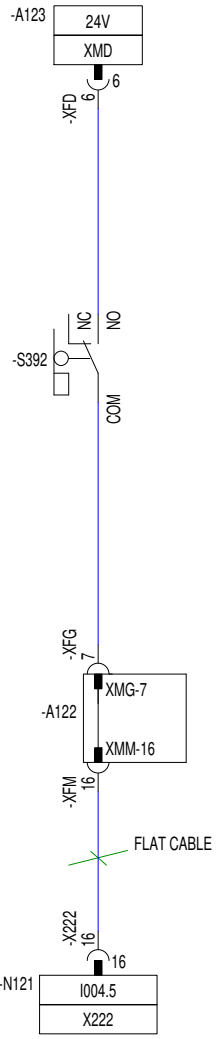
DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	63		ROMI DCM 620-5X V3.0	U14186H



ELECTRIC PANEL CLIMATIZATION



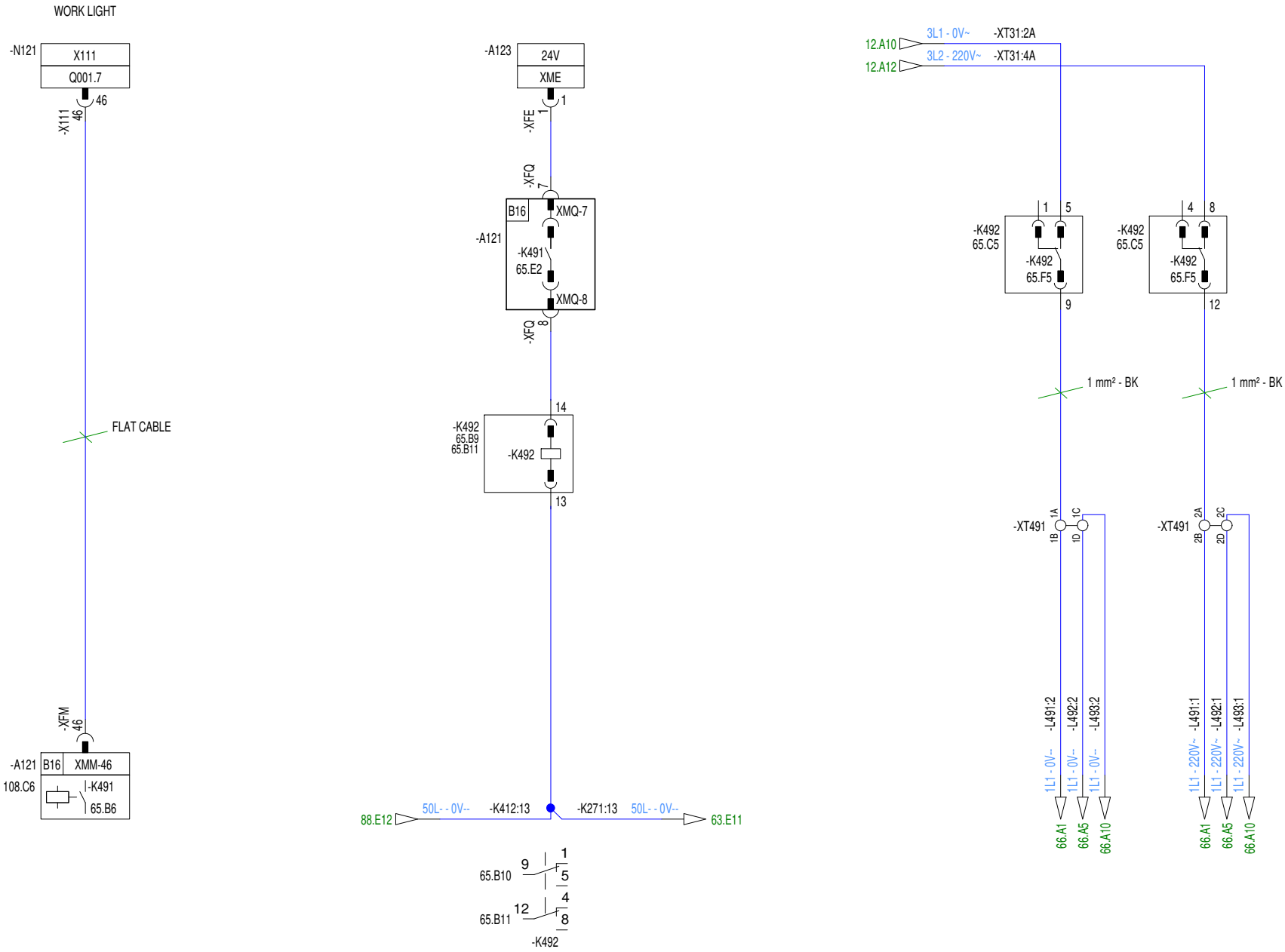


ACCLIMATIZATION SUPERVISOR MICRO SWITCH

NOTE:
ELECTRICAL PANEL COOLANT REGULATION

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION	ELECTRIC PANEL CLIMATIZATION / OPERATOR'S PANEL				
ROMI®	DESIGNED	FERNANDO	11/09/2013	PROJECTION	SIZE
	DRAWER	ANDREW	11/09/2013		A3
	CONTROLLED	VILALTA	11/09/2013		
REFERENCE ROMI DCM	SHEET 64	SCALE	APPLICATION ROMI DCM 620-5X V3.0	N° U14186H	



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

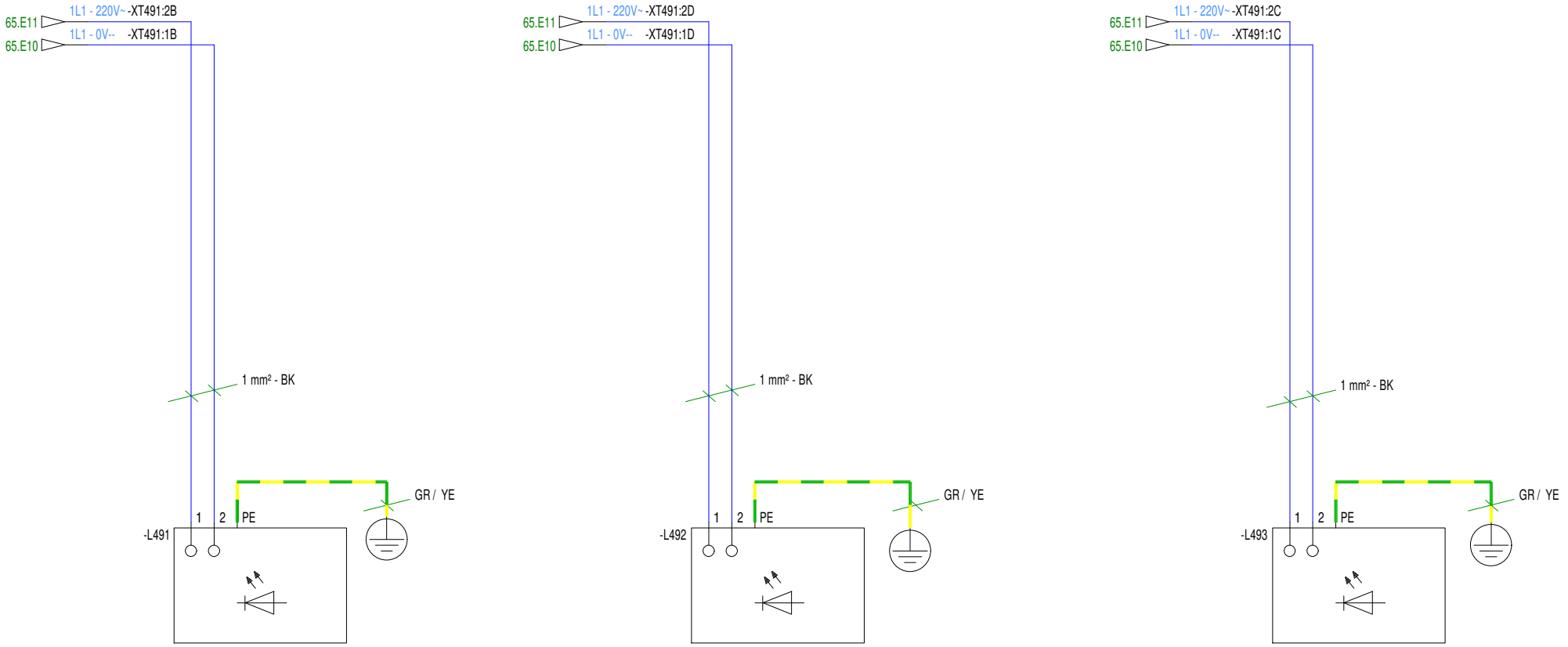
DESCRIPTION: WORK LIGHT

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	65		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

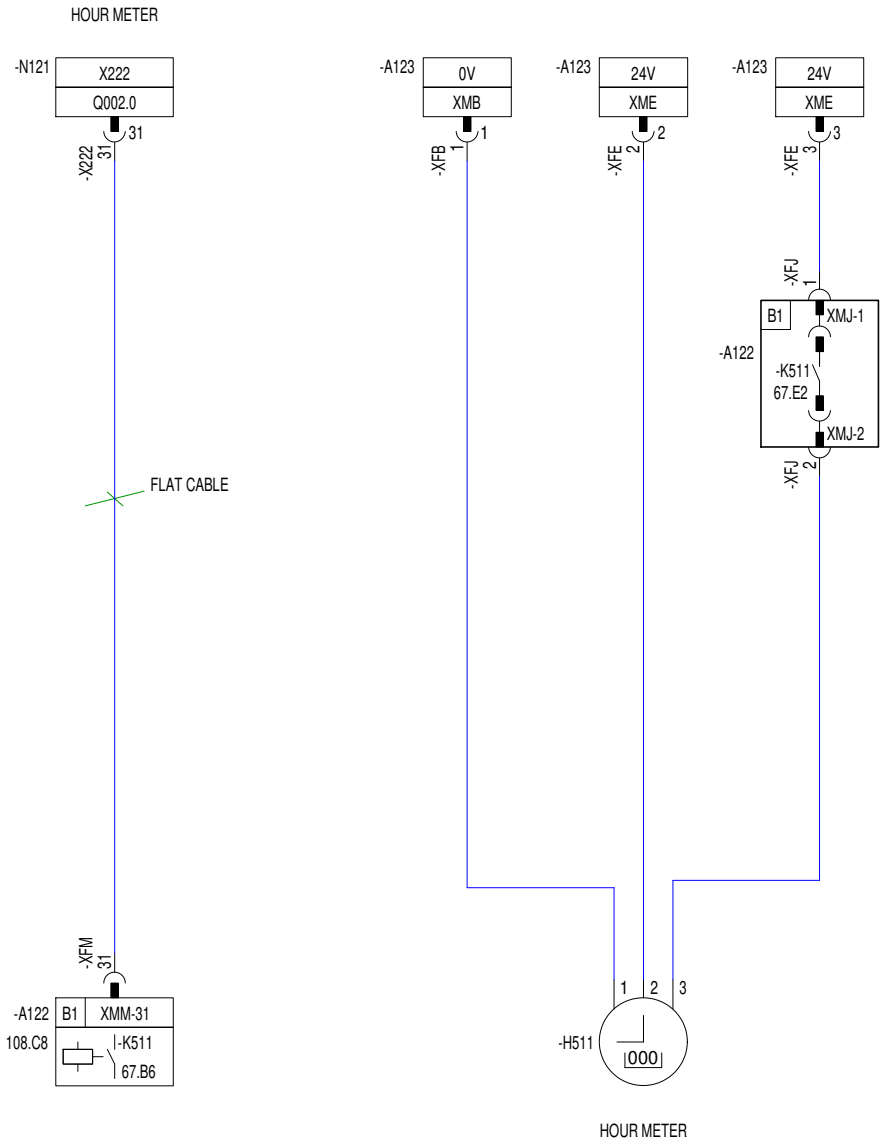
DESCRIPTION: WORK LIGHT

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	66		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

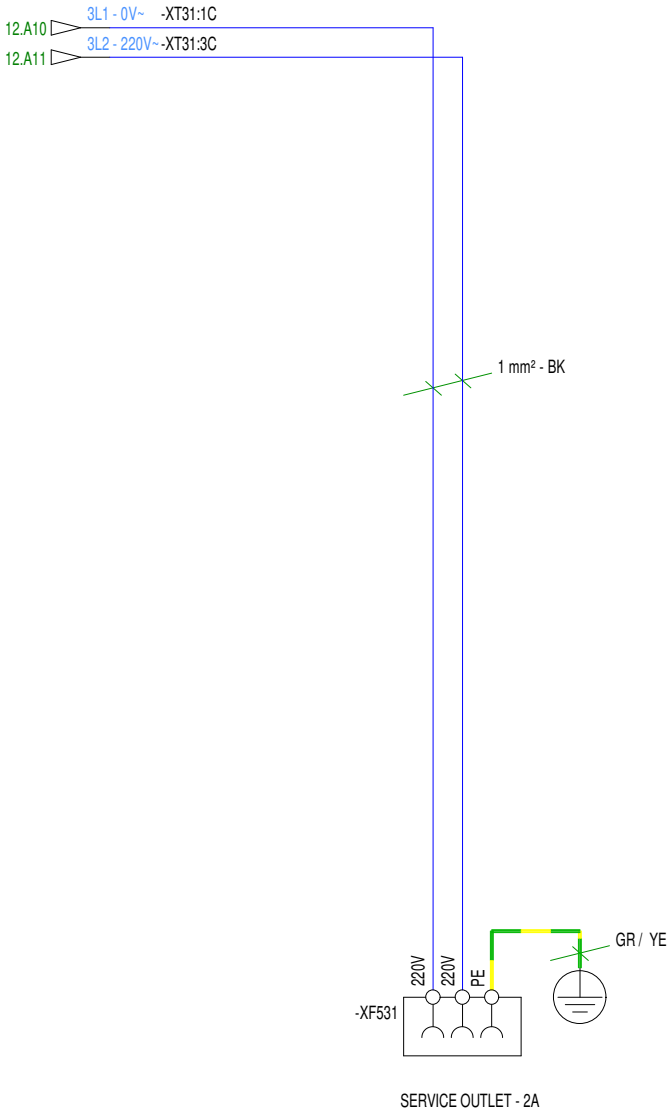
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: HOUR METER

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	67		ROMI DCM 620-5X V3.0	U14186H



SERVICE OUTLET - 2A

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

REL.	MODIFICATION	MODIF.	APROV.	DATE

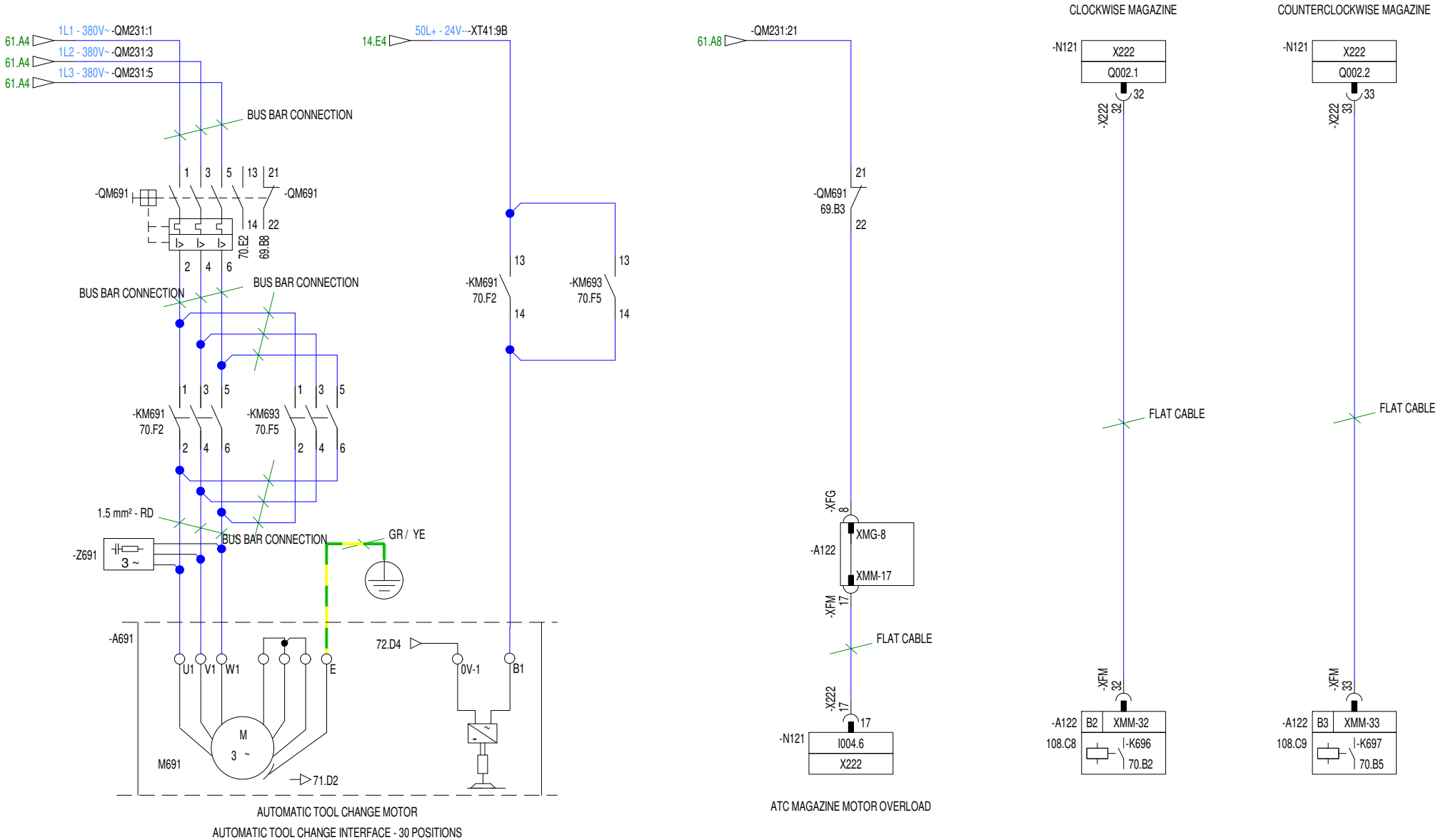
DESCRIPTION: SERVICE OUTLET

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	68		ROMI DCM 620-5X V3.0	U14186H



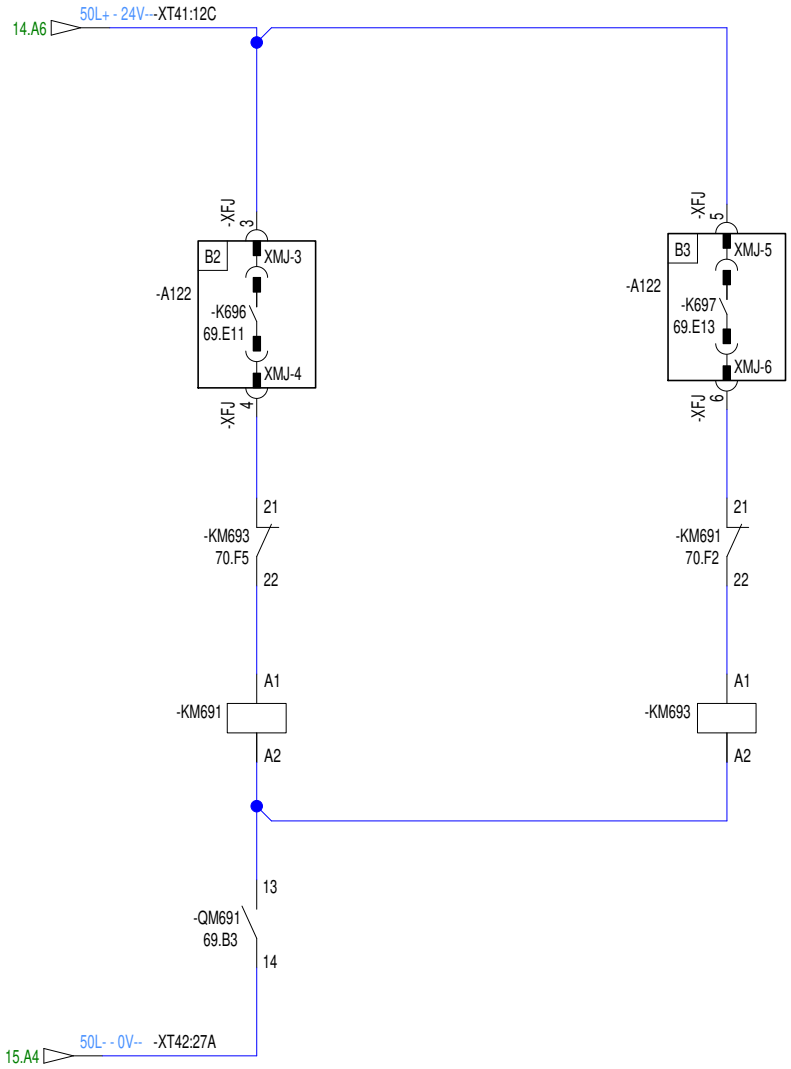
REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15
REL.	MODIFICATION	MODIF.	APROV.	DATE

DESCRIPTION: AUTOMATIC TOOL CHANGER-30-POSITIONS

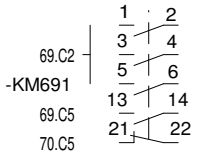
ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

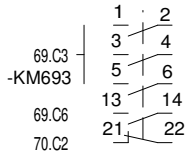
REFERENCE	SHEET	SCALE	APPLICATION	Nº
	69		ROMI DCM 620-5X V3.0	U14186H



ATC CW CONTACTOR



ATC COUNTERCLOCKWISE ROTATION CONTACTOR



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

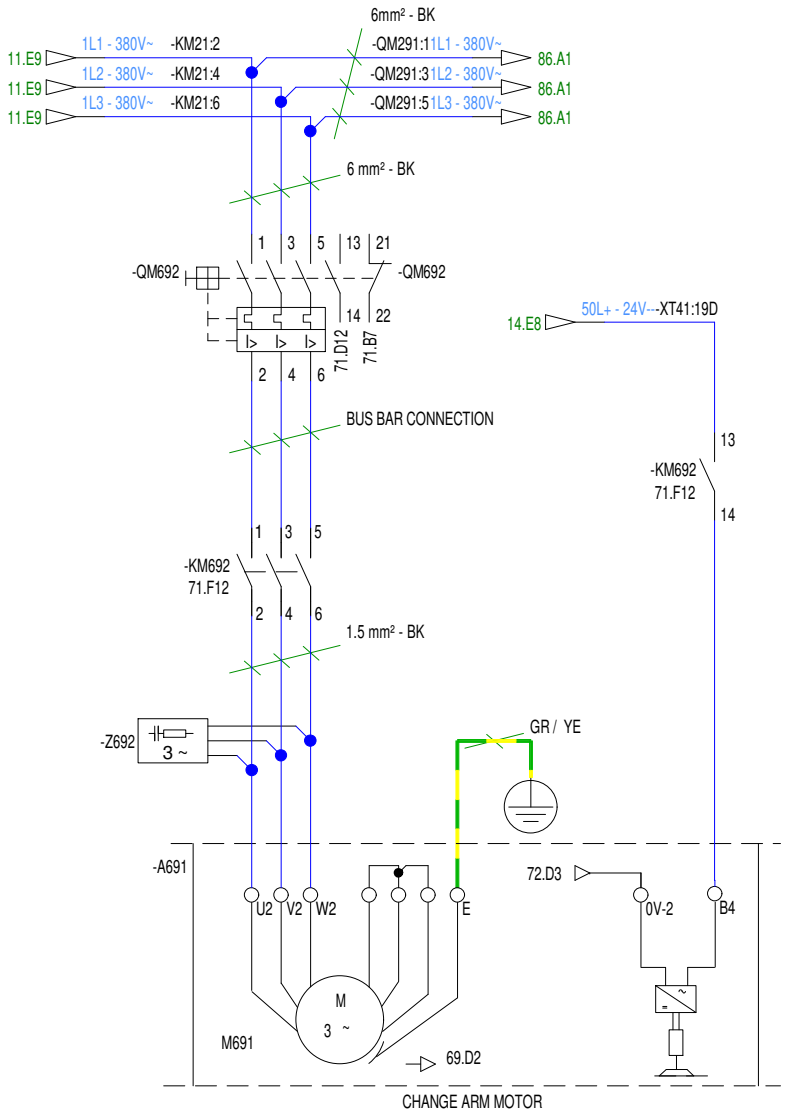
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

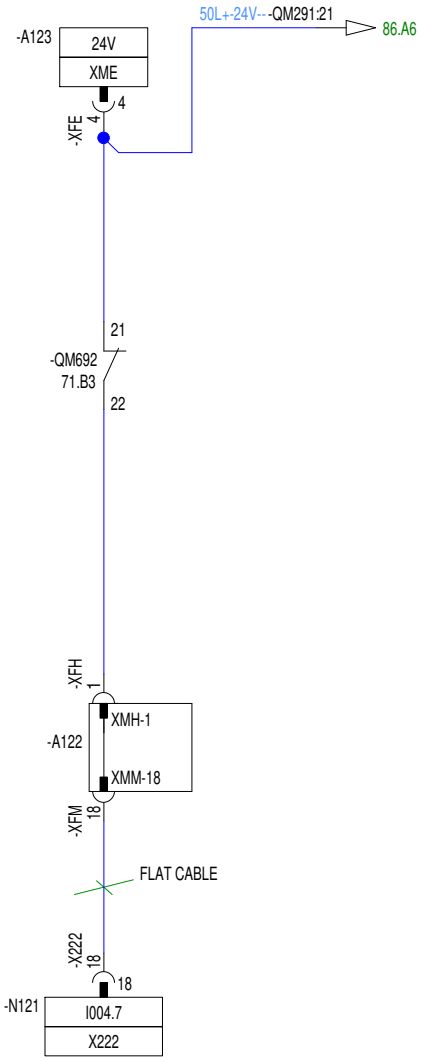
DESCRIPTION: AUTOMATIC TOOL CHANGER-30-POSITIONS

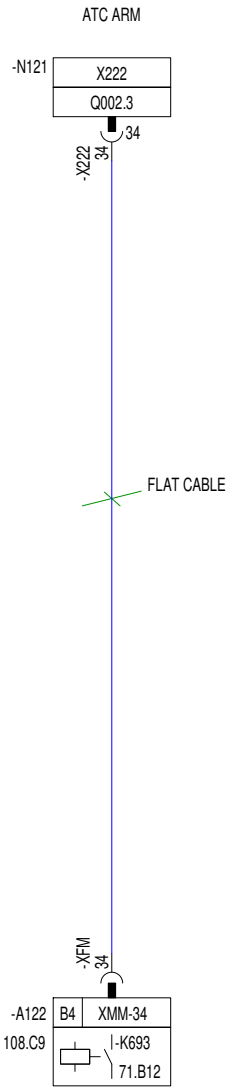
ROMI®

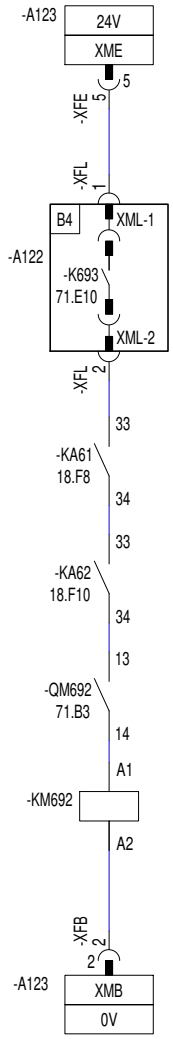
DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

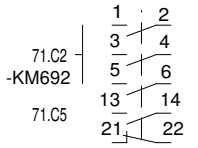
REFERENCE	SHEET	SCALE	APPLICATION	Nº
	70		ROMI DCM 620-5X V3.0	U14186H





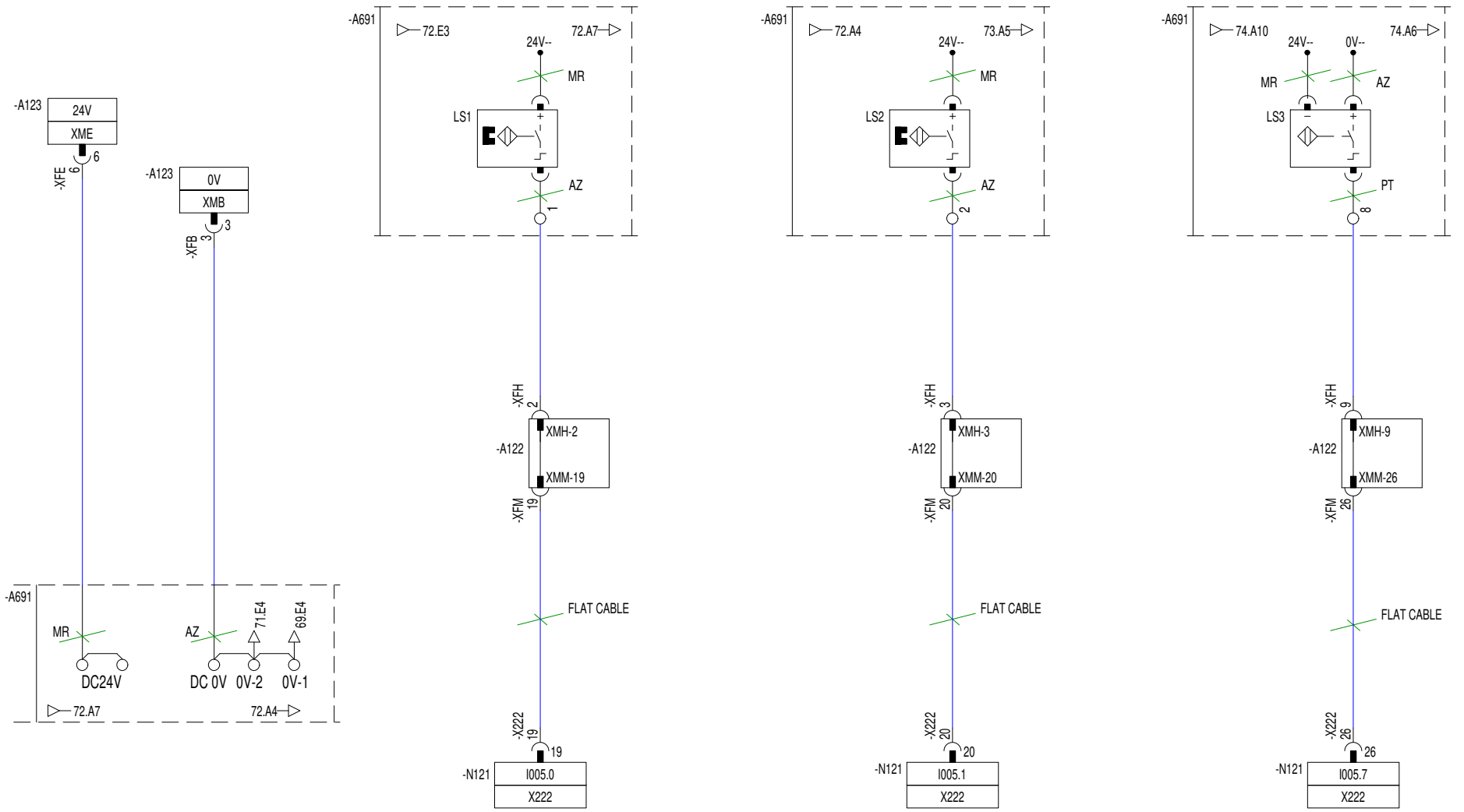






REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION	AUTOMATIC TOOL CHANGER-30-POSITIONS				
ROMI®	DESIGNED	FERNANDO	11/09/2013	PROJECTION	SIZE
	DRAWER	ANDREW	11/09/2013		A3
	CONTROLLED	VILALTA	11/09/2013		
REFERENCE	SHEET 71	SCALE	APPLICATION ROMI DCM 620-5X V3.0	N° U14186H	



RETRACTED TOOL POCKET SENSOR

TOOL CUP SENSOR PROJECTED

SENSOR MAGAZINE POSITION COUNT / BRAKE

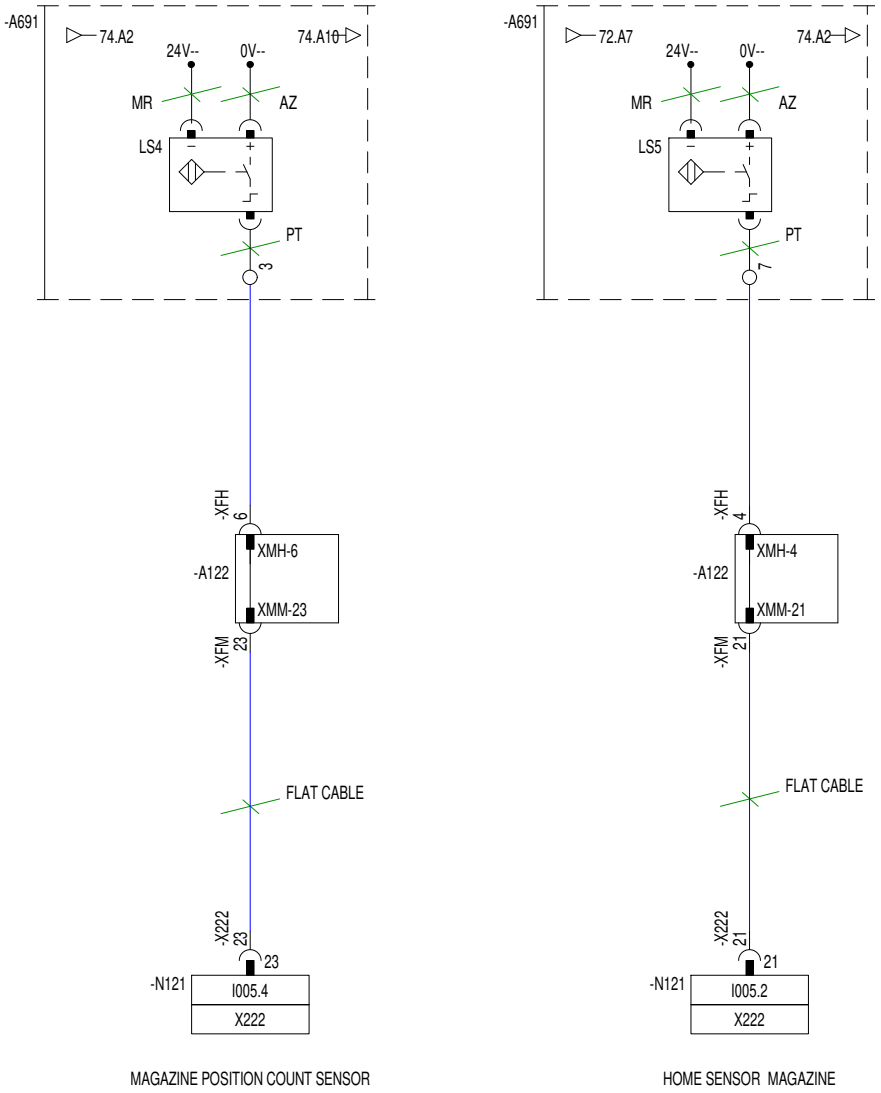
REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15
REL.	MODIFICATION	MODIF.	APROV.	DATE

DESCRIPTION: AUTOMATIC TOOL CHANGER-30-POSITIONS

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
	72		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

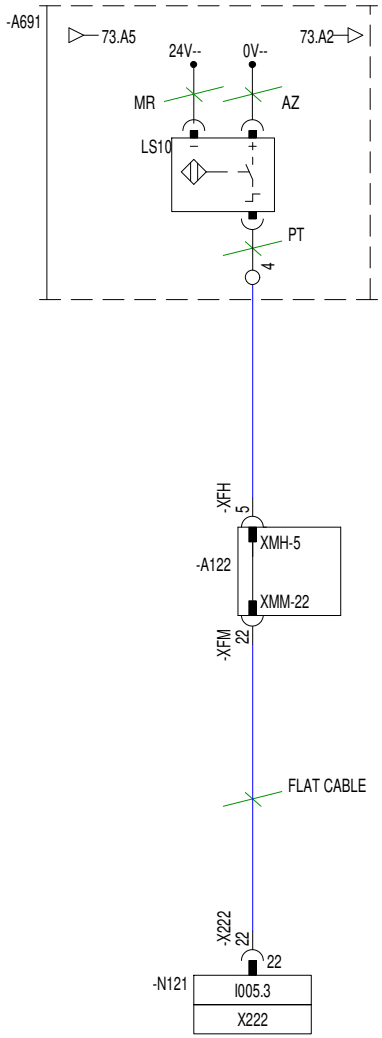
DESCRIPTION: AUTOMATIC TOOL CHANGER-30-POSITIONS

ROMI®

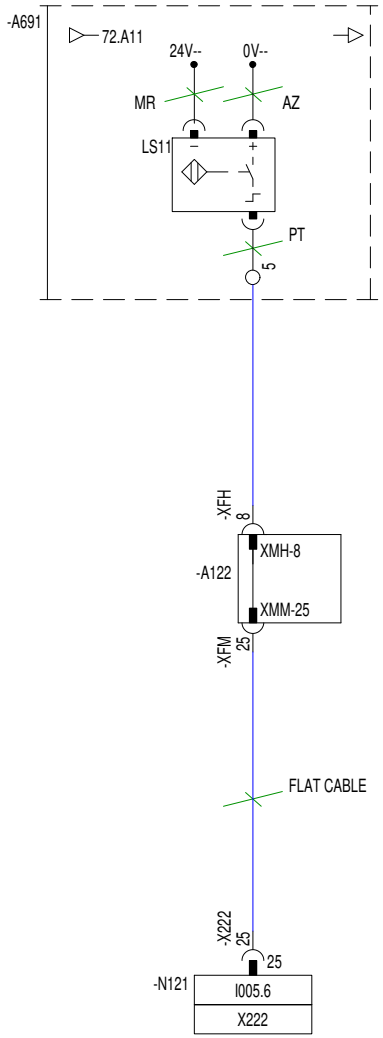
DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

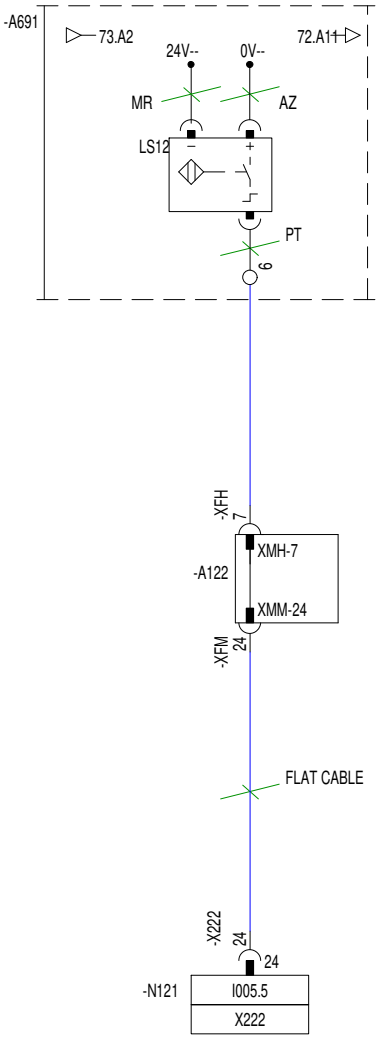
REFERENCE	SHEET	SCALE	APPLICATION	Nº
	73		ROMI DCM 620-5X V3.0	U14186H



SENSOR BRAKE CHANGE ARM



SENSOR BRAÇO POSITION PEGA TOOL

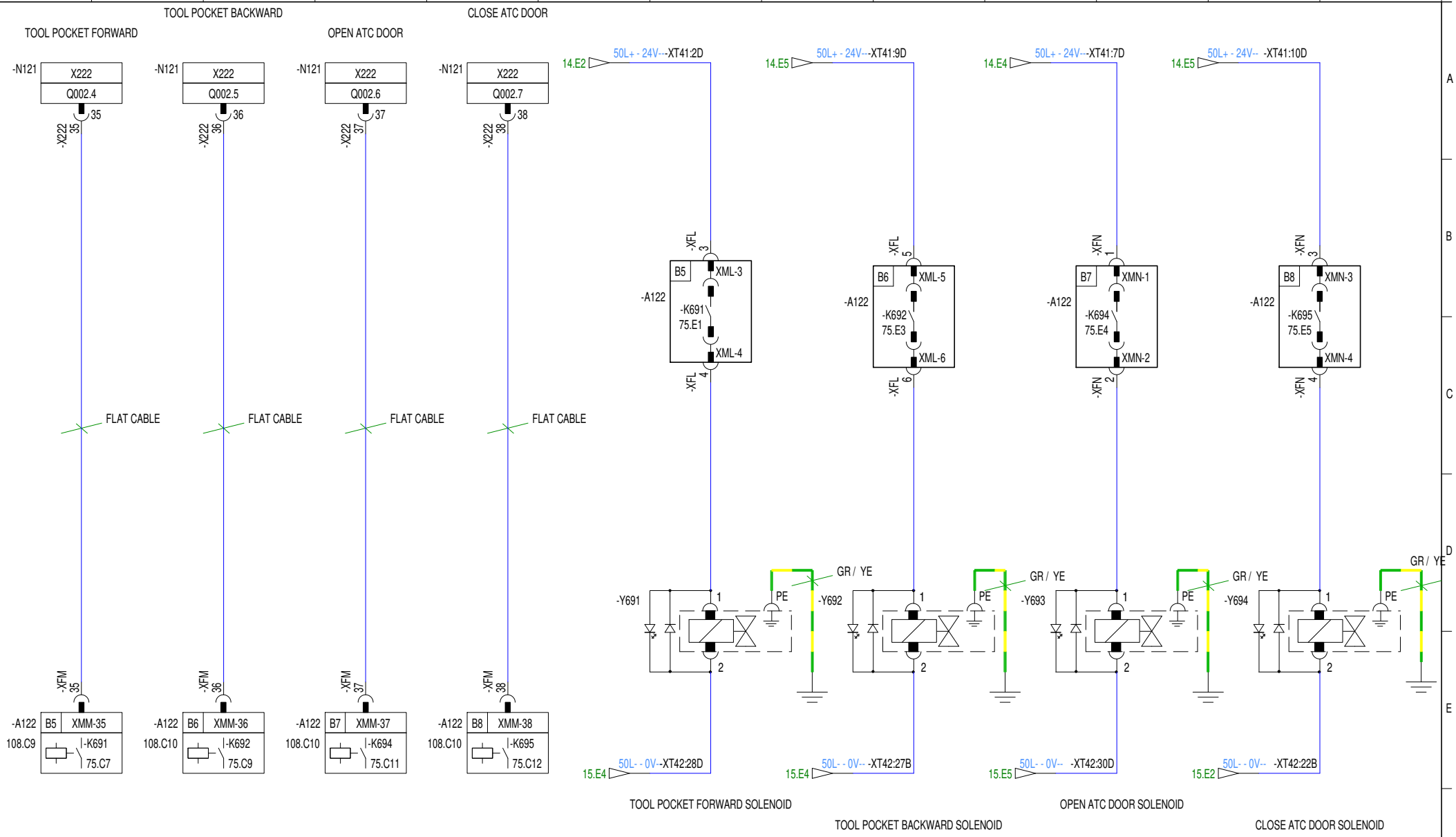


ORIGIN POSITION ARM SENSOR

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION	AUTOMATIC TOOL CHANGER-30-POSITIONS			
ROMI®	DESIGNED	FERNANDO	11/09/2013	PROJECTION / SIZE A3
	DRAWER	ANDREW	11/09/2013	
	CONTROLLED	VILALTA	11/09/2013	
REFERENCE	SHEET 74	SCALE	APPLICATION ROMI DCM 620-5X V3.0	N° U14186H



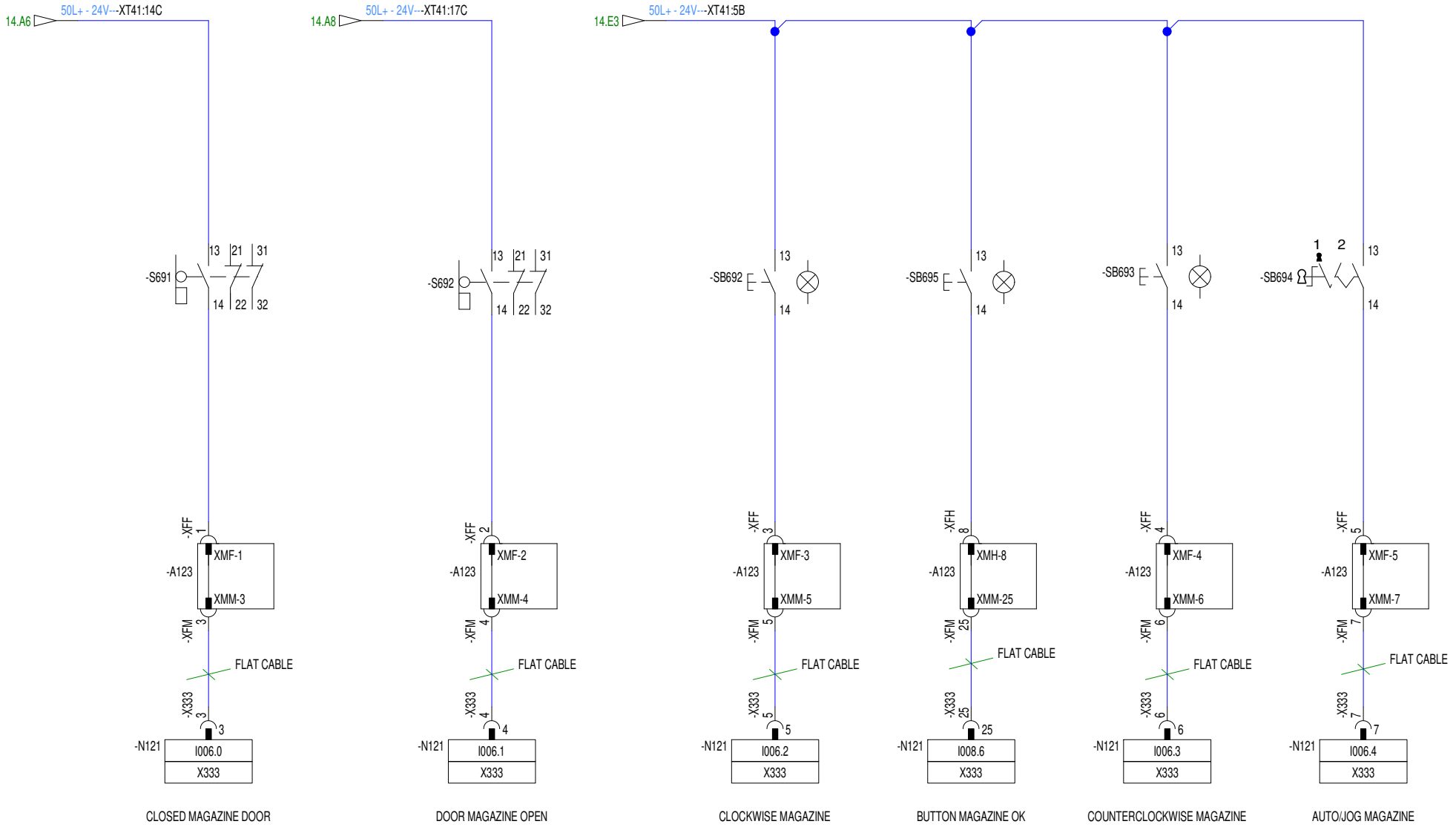
REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: AUTOMATIC TOOL CHANGER-30-POSITIONS

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
	75		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

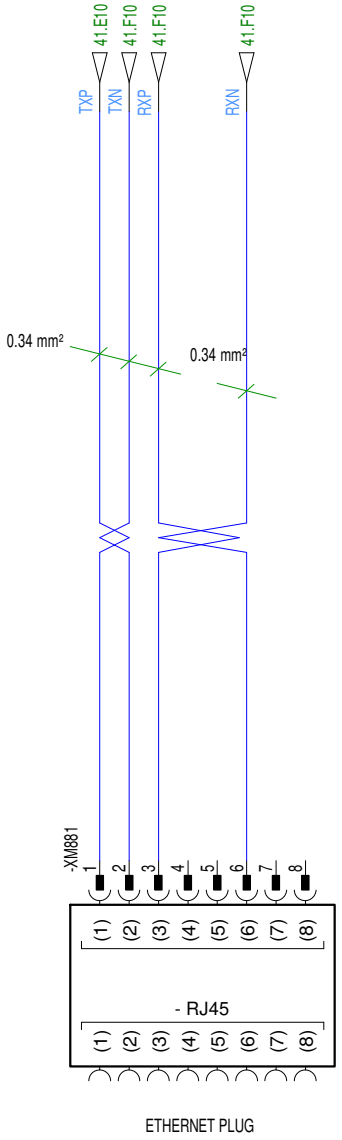
DESCRIPTION: AUTOMATIC TOOL CHANGER-30-POSITIONS

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
	76		ROMI DCM 620-5X V3.0	U14186H



ETHERNET PLUG

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15
REL.	MODIFICATION	MODIF.	APROV.	DATE

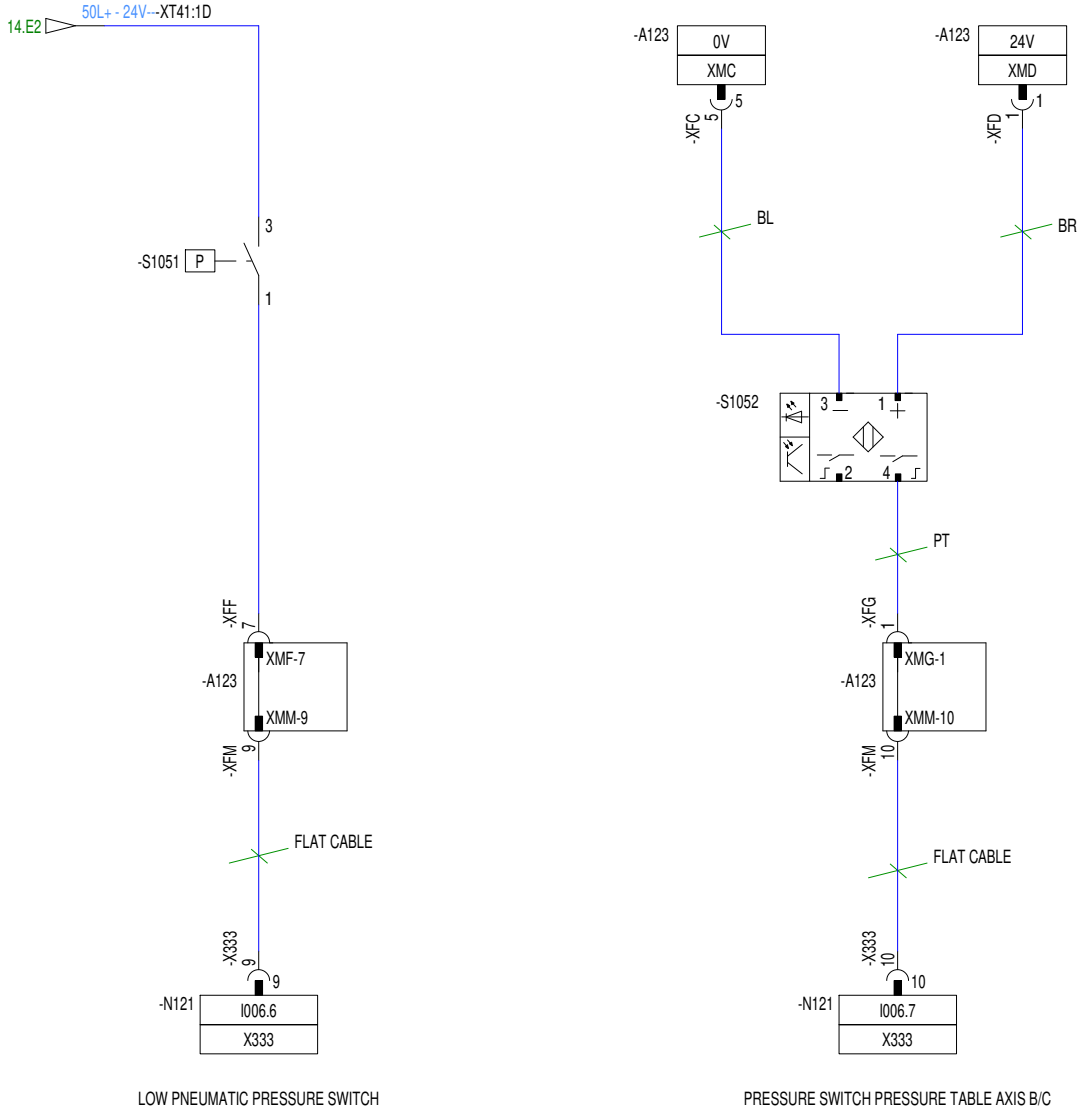
DESCRIPTION: ETHERNET

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	77		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15
REL.	MODIFICATION	MODIF.	APROV.	DATE

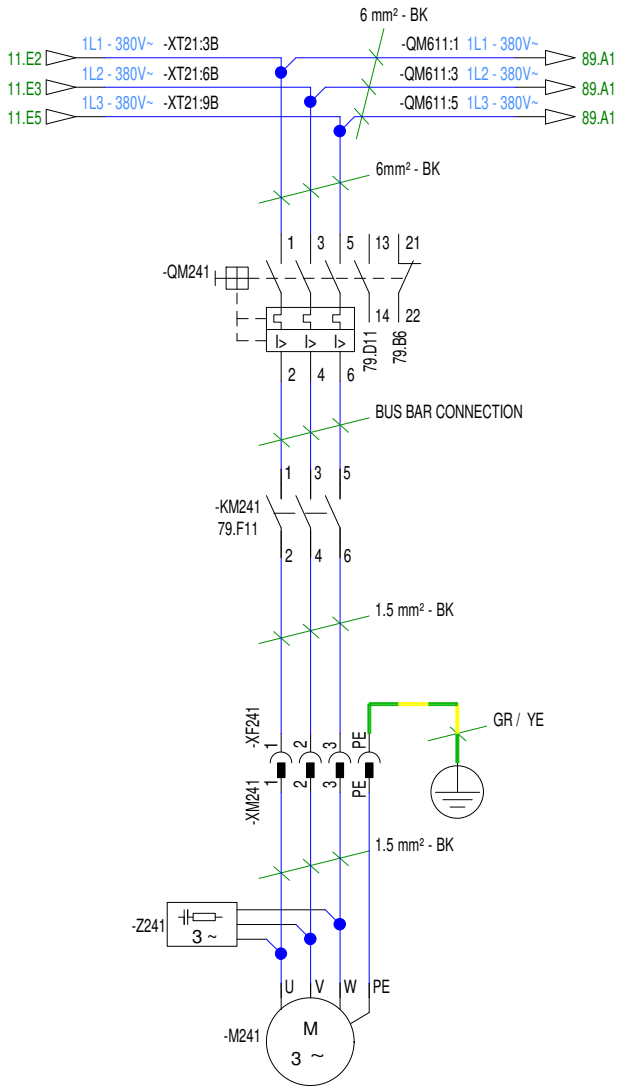
DESCRIPTION: PNEUMATIC UNIT

ROMI®

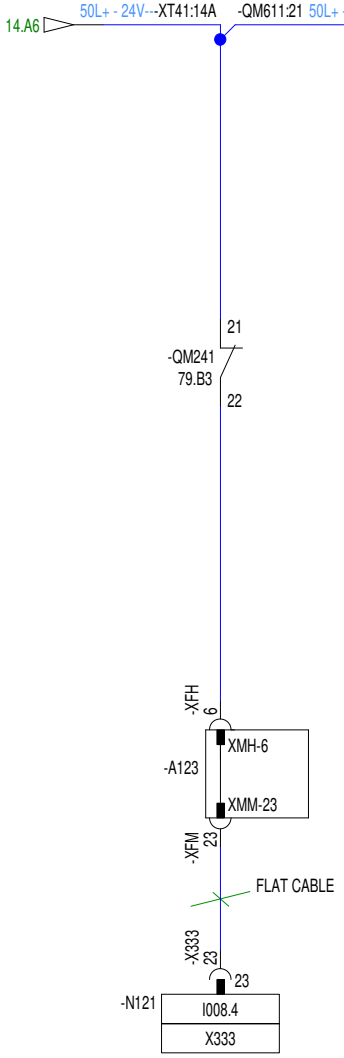
DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

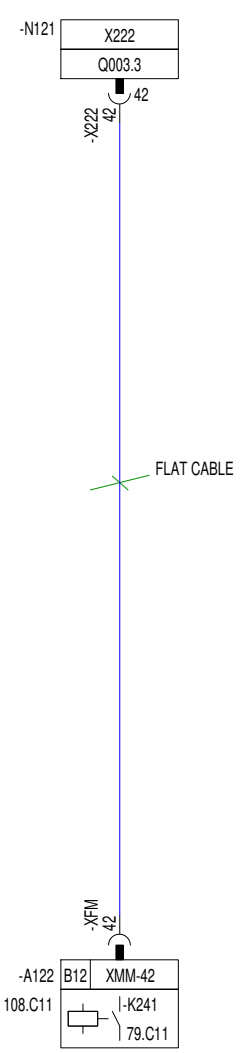
REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	78		ROMI DCM 620-5X V3.0	U14186H

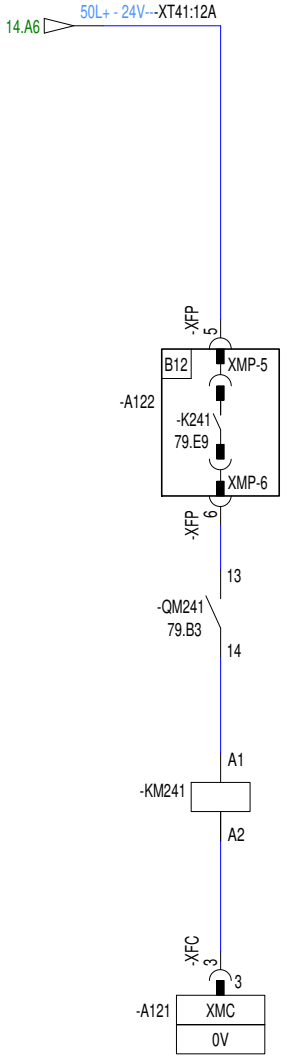


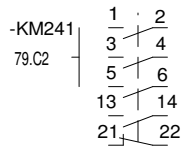
WASH GUN MOTOR



WASH GUN MOTOR OVERLOAD

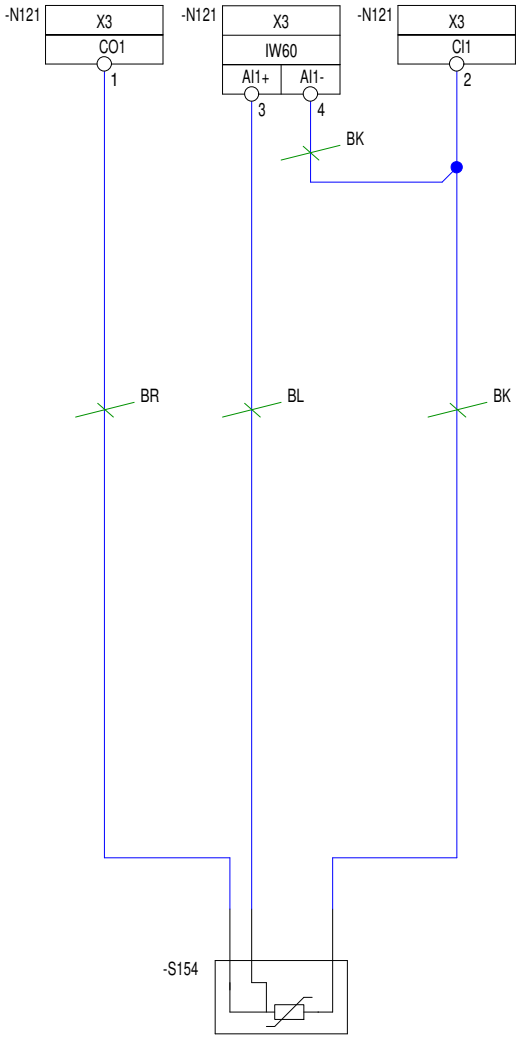




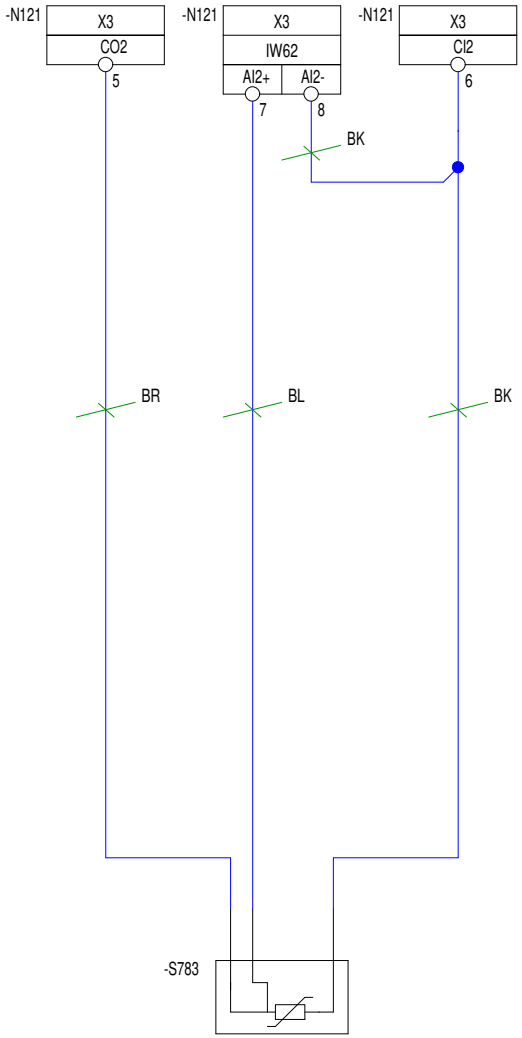


REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION	WASH GUN				
ROMI®	DESIGNED	FERNANDO	11/09/2013	PROJECTION	SIZE
	DRAWER	ANDREW	11/09/2013		A3
	CONTROLLED	VILALTA	11/09/2013		
REFERENCE ROMI DCM	SHEET 79	SCALE	APPLICATION ROMI DCM 620-5X V3.0	N° U14186H	



SENSOR MANCAL



SENSOR Z AXIS LINEAR SCALE

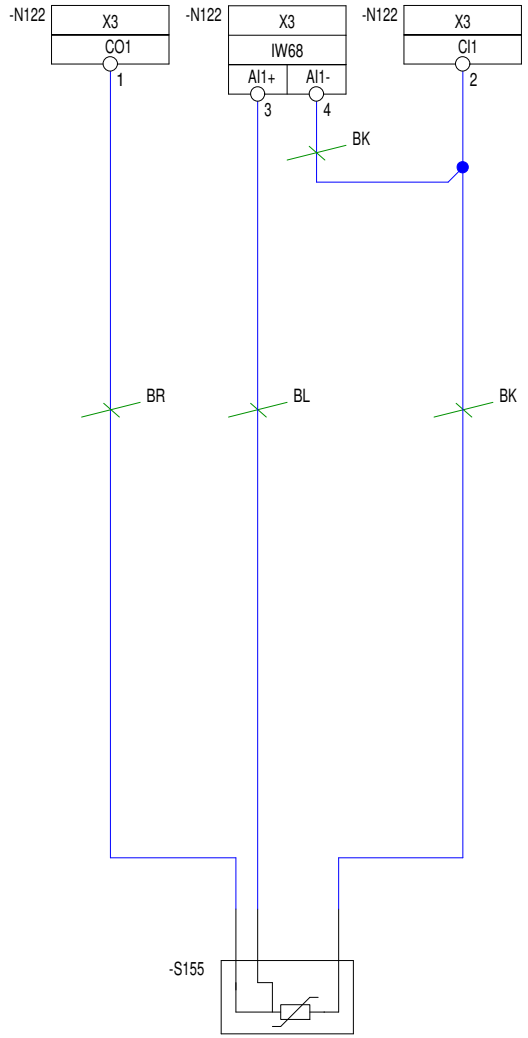
REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15
REL.	MODIFICATION	MODIF.	APROV.	DATE

DESCRIPTION: THERMAL COMPENSATION SYSTEM - WITH LINEAR SCALE

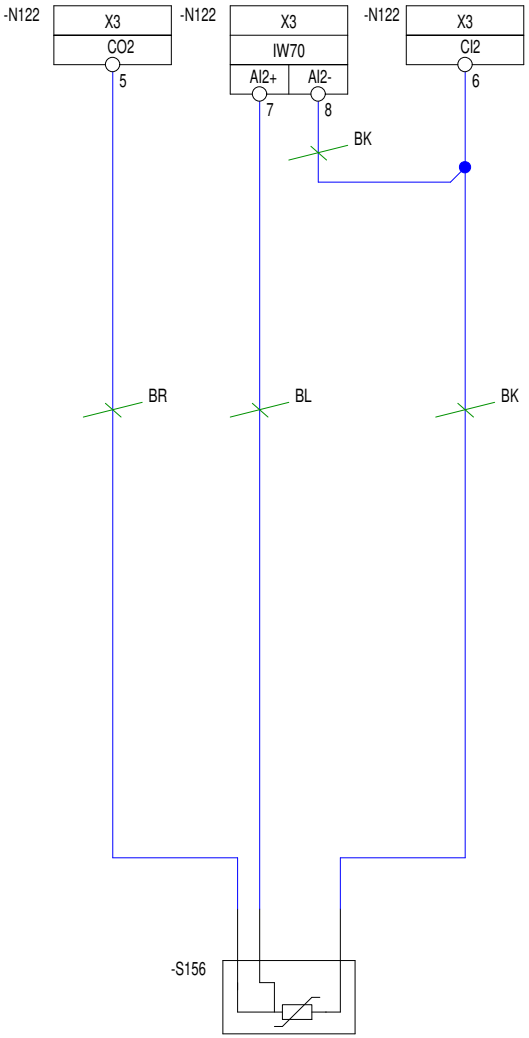
ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	80		ROMI DCM 620-5X V3.0	U14186H



SENSOR ROLAMENTO



SENSOR BASE

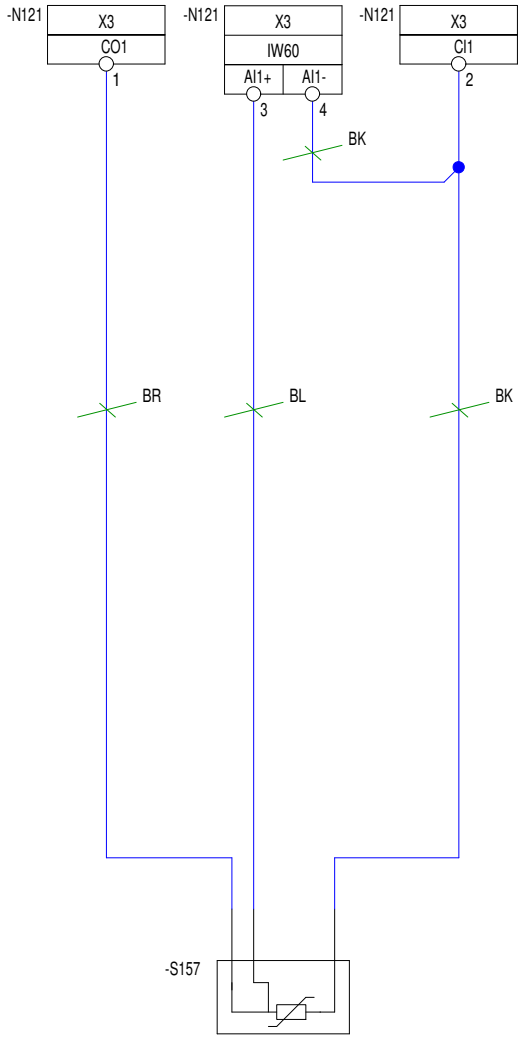
REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15
REL.	MODIFICATION	MODIF.	APROV.	DATE

DESCRIPTION: THERMAL COMPENSATION SYSTEM - WITH LINEAR SCALE

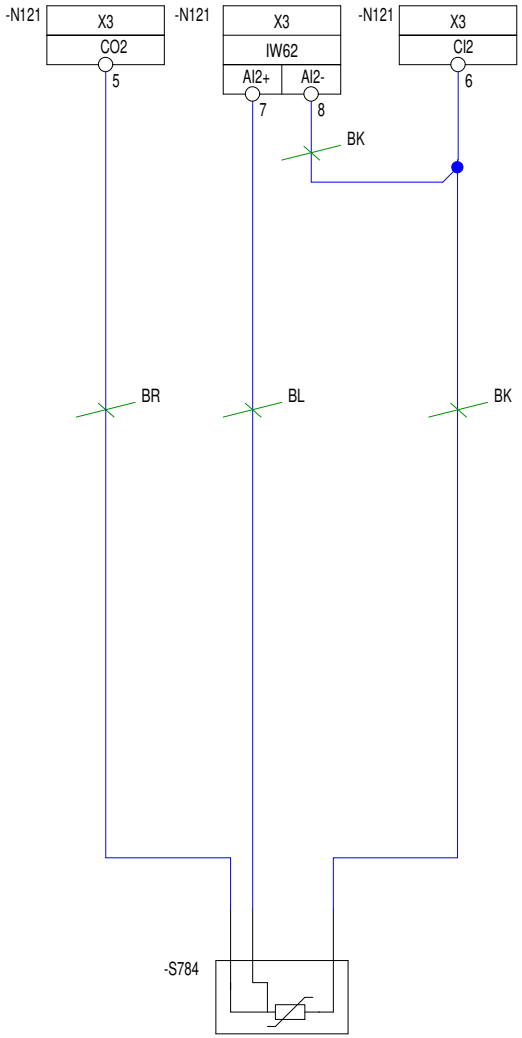
ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	81		ROMI DCM 620-5X V3.0	U14186H



SENSOR MANCAL



SENSOR PORCA Z AXIS

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15
REL.	MODIFICATION	MODIF.	APROV.	DATE

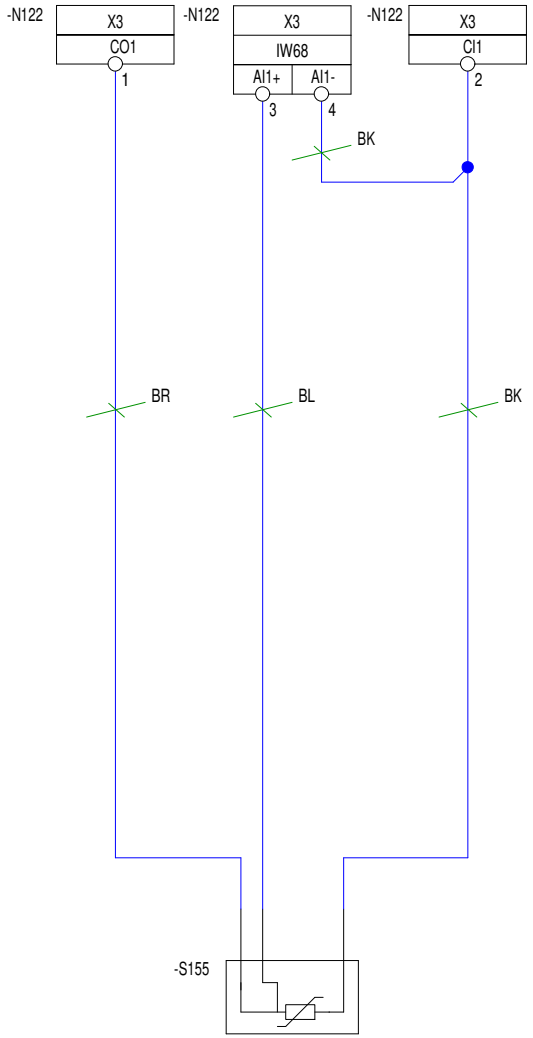
DESCRIPTION: THERMAL COMPENSATION SYSTEM - WITHOUT LINEAR SCALE

ROMI®

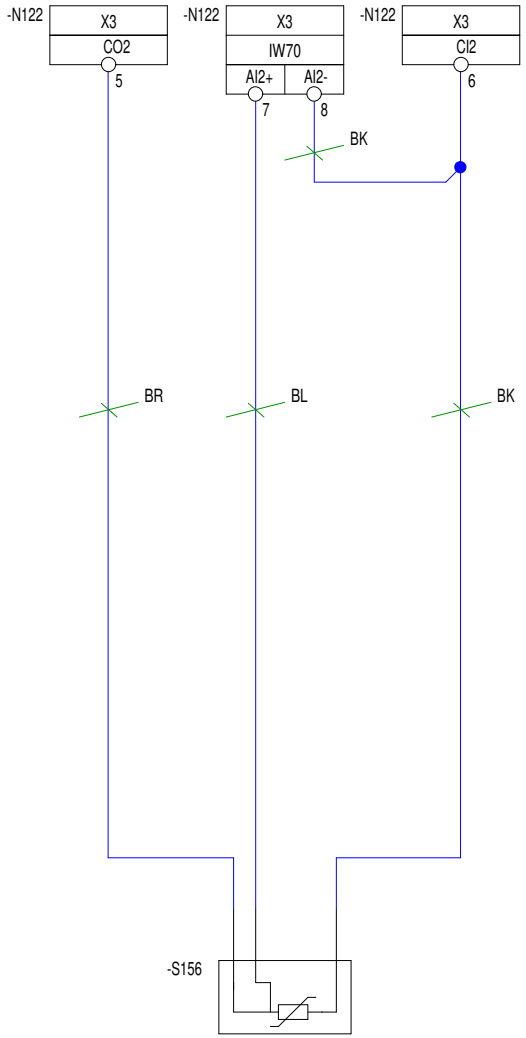
DESIGNED	FERNANDO	08/12/2016
DRAWER	ANDREW	08/12/2016
CONTROLLED	VILALTA	08/12/2016

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	82		ROMI DCM 620-5X V3.0	U14186H



SENSOR ROLAMENTO



SENSOR BASE

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15
REL.	MODIFICATION	MODIF.	APROV.	DATE

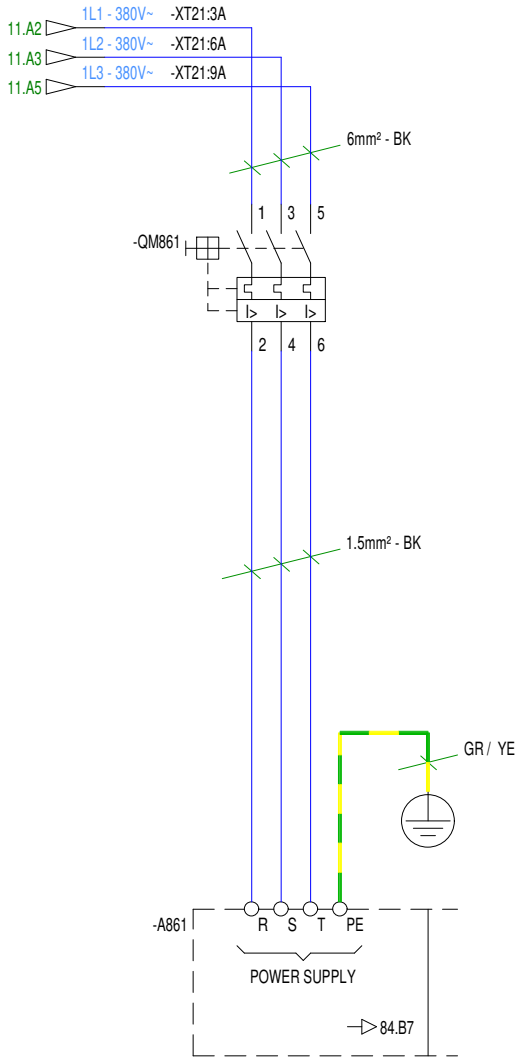
DESCRIPTION: THERMAL COMPENSATION SYSTEM - WITHOUT LINEAR SCALE

ROMI®

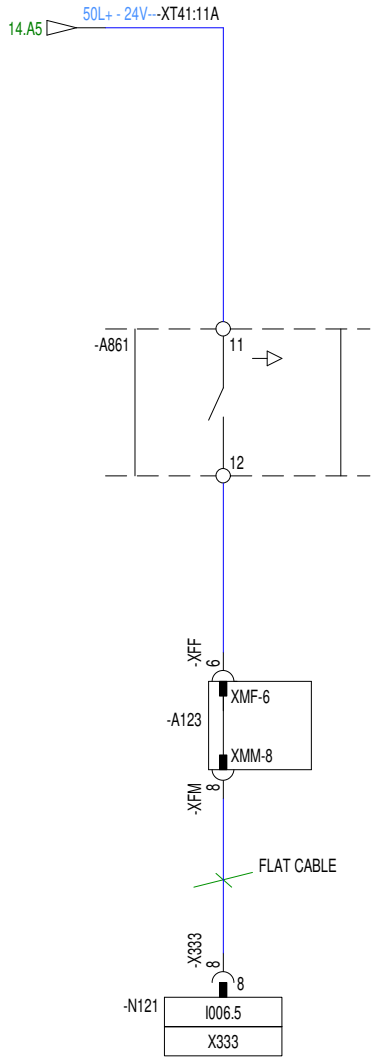
DESIGNED	FERNANDO	08/12/2016
DRAWER	ANDREW	08/12/2016
CONTROLLED	VILALTA	08/12/2016

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	83		ROMI DCM 620-5X V3.0	U14186H



LIQUID COOLER INTERFACE



LIQUID COOLER INTERFACE - FAIL

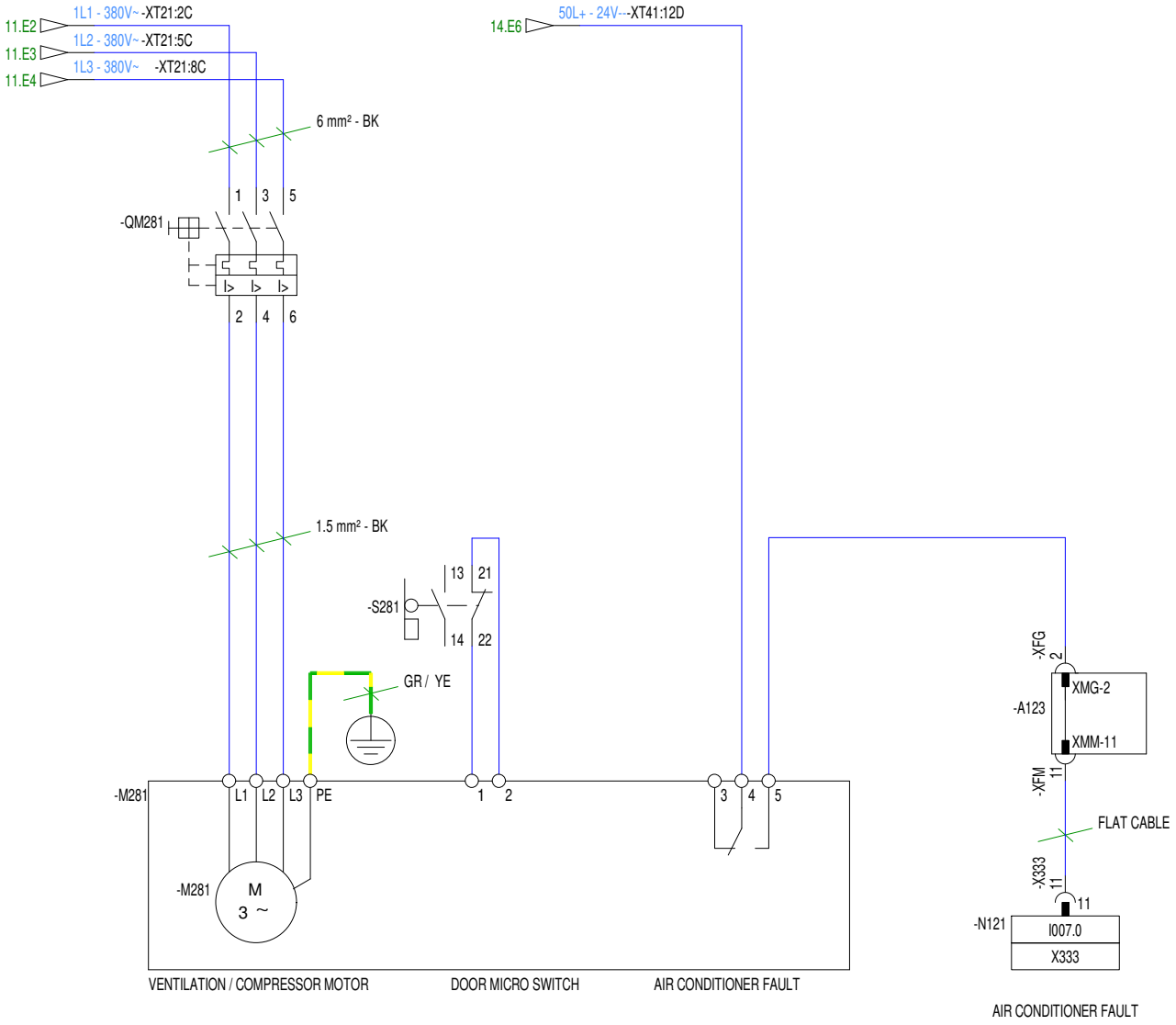
REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: HEDSTOCK COOLANT SYSTEM

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	84		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

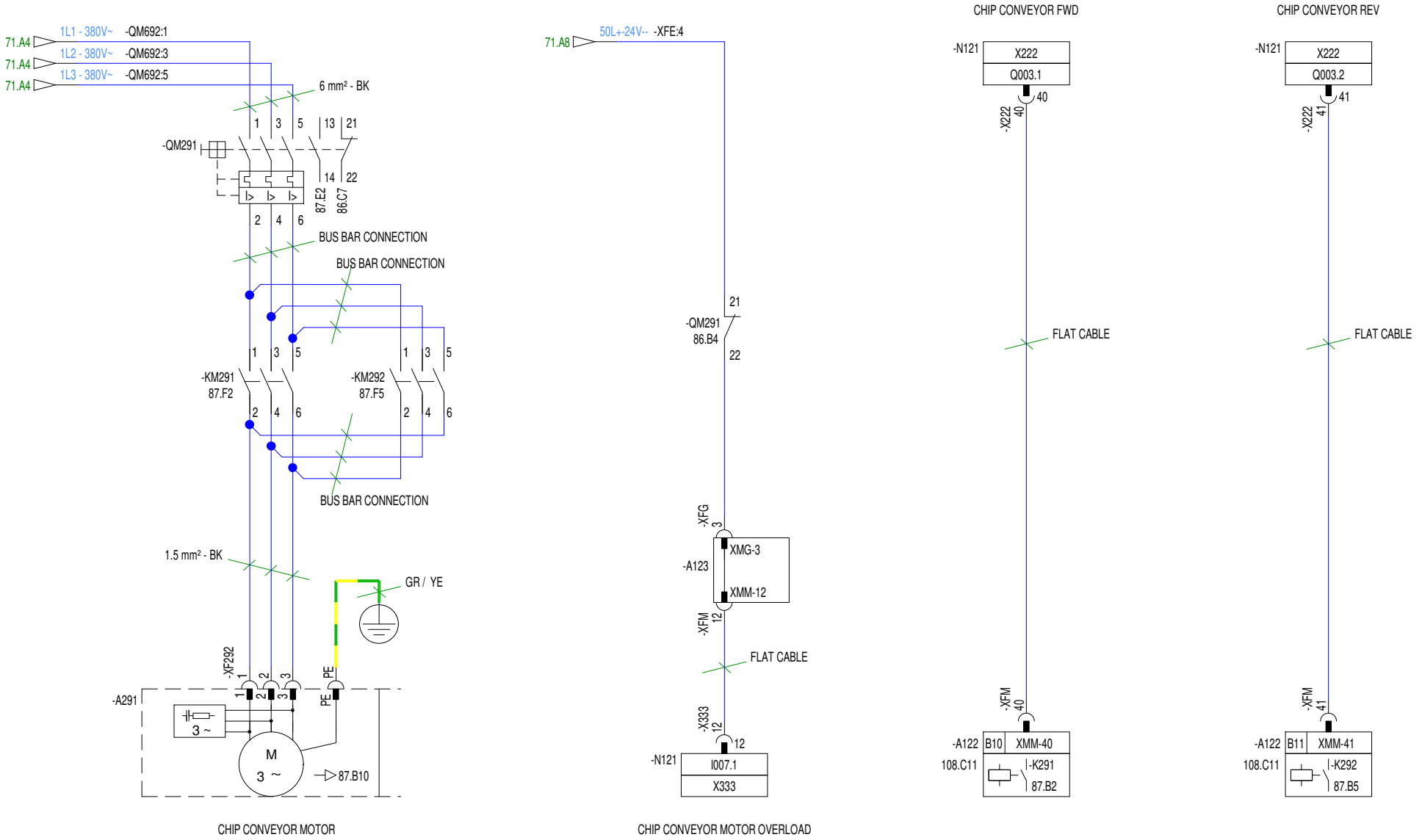
DESCRIPTION: AIR CONDITIONER

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

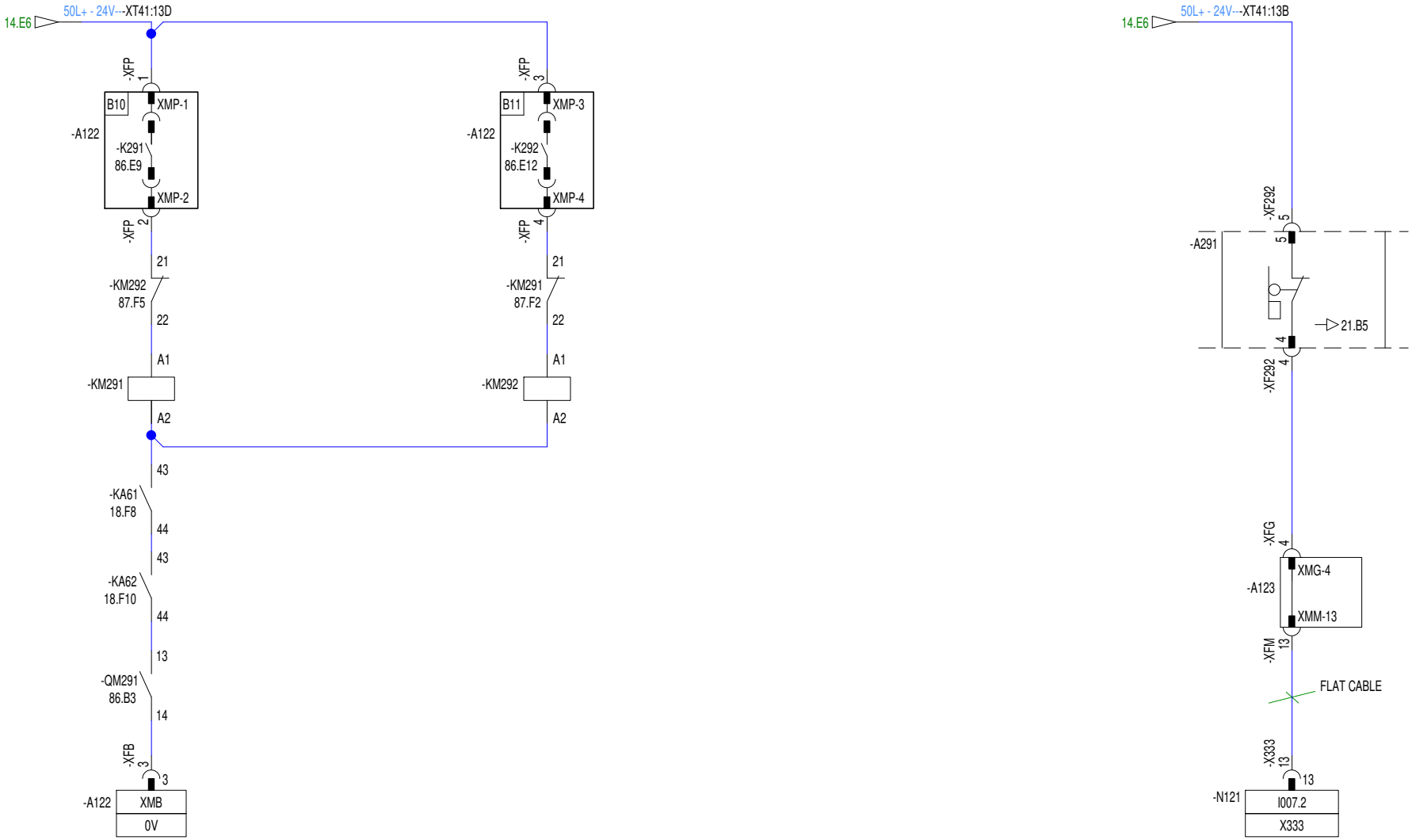
PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	85		ROMI DCM 620-5X V3.0	U14186H

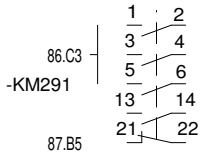


REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

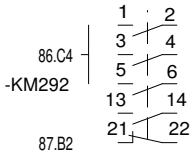
DESCRIPTION	CHIP CONVEYOR INTERFACE			
ROMI®	DESIGNED	FERNANDO	11/09/2013	PROJECTION / SIZE A3
	DRAWER	ANDREW	11/09/2013	
	CONTROLLED	VILALTA	11/09/2013	
REFERENCE ROMI DCM	SHEET 86	SCALE	APPLICATION ROMI DCM 620-5X V3.0	N° U14186H



FORWARD CHIP CONVEYOR MOTOR CONTACTOR



REVERSE CHIP CONVEYOR MOTOR CONTACTOR



CHIP CONVEYOR CLAMP SENSOR

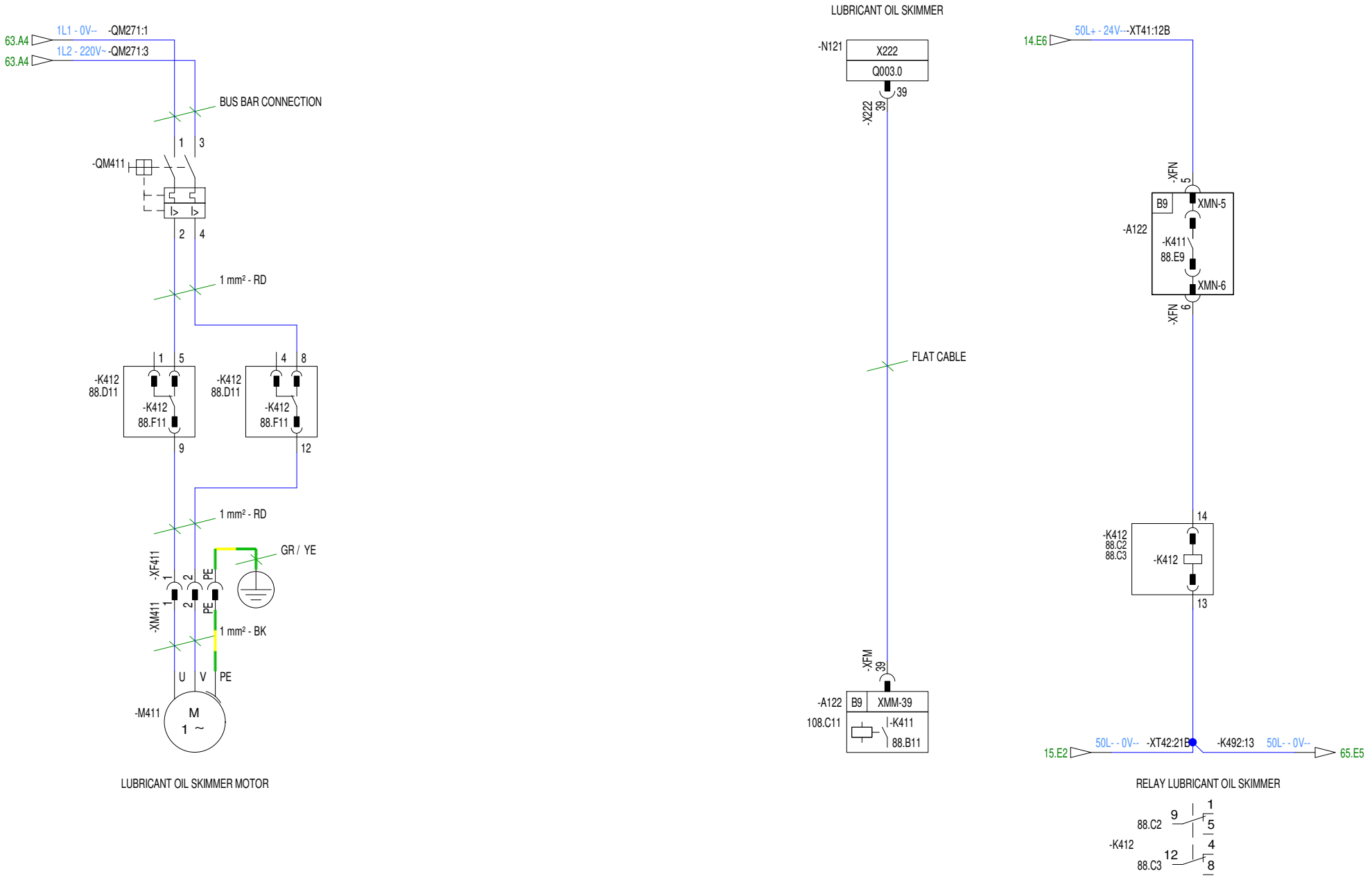
REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: CHIP CONVEYOR INTERFACE

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	87		ROMI DCM 620-5X V3.0	U14186H



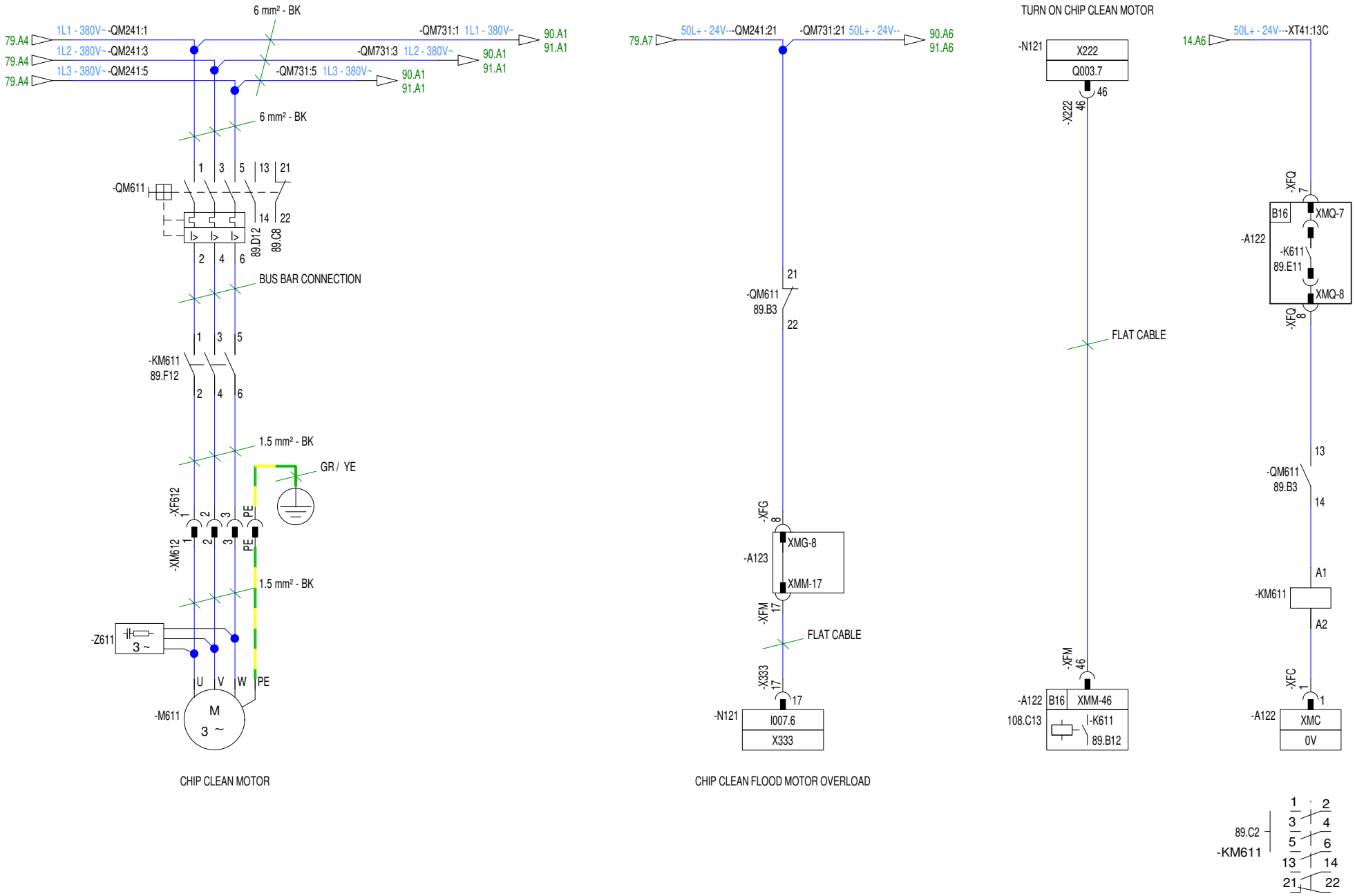
REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: LUBRICANT OIL SKIMMER

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	
ROMI DCM	88		ROMI DCM 620-5X V3.0	N° U14186H



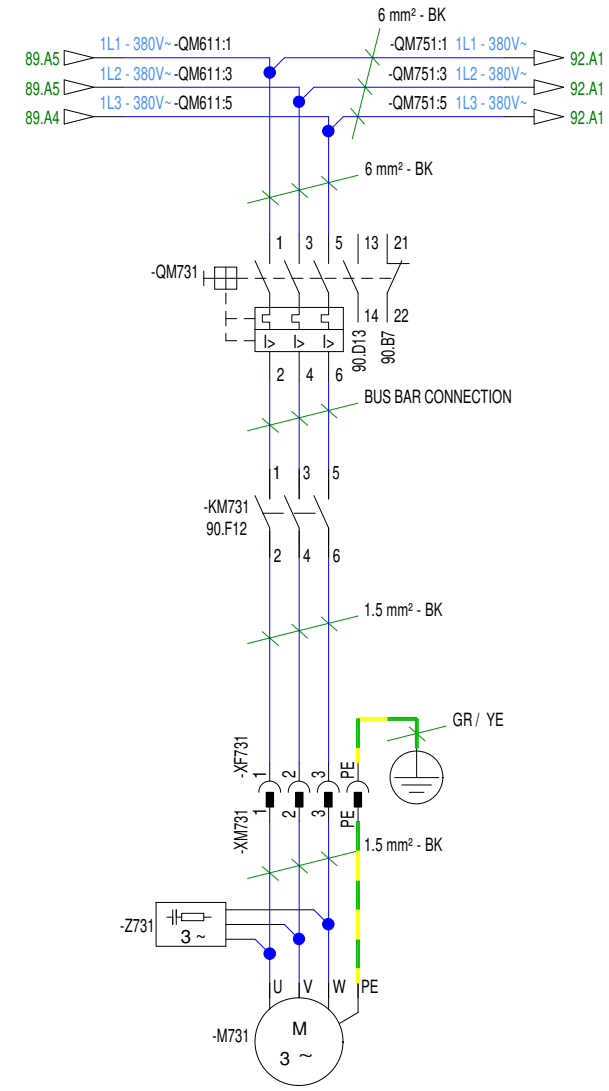
REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: CHIP CLEAN

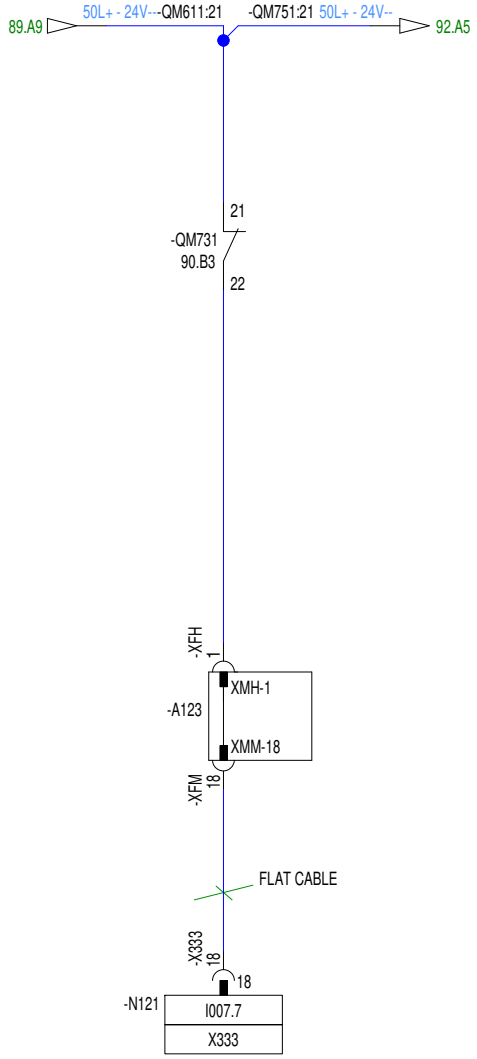
ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

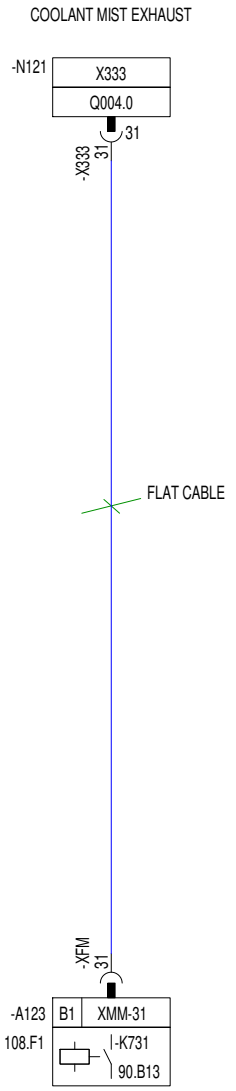
REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	89		ROMI DCM 620-5X V3.0	U14186H



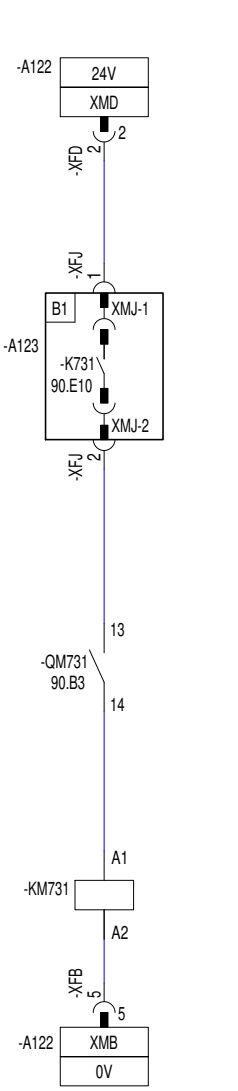
COOLANT MIST EXHAUST MOTOR



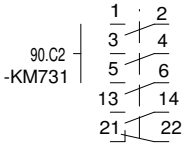
COOLANT MIST EXHAUST MOTOR OVERLOAD



MIST EXAUST RELAY



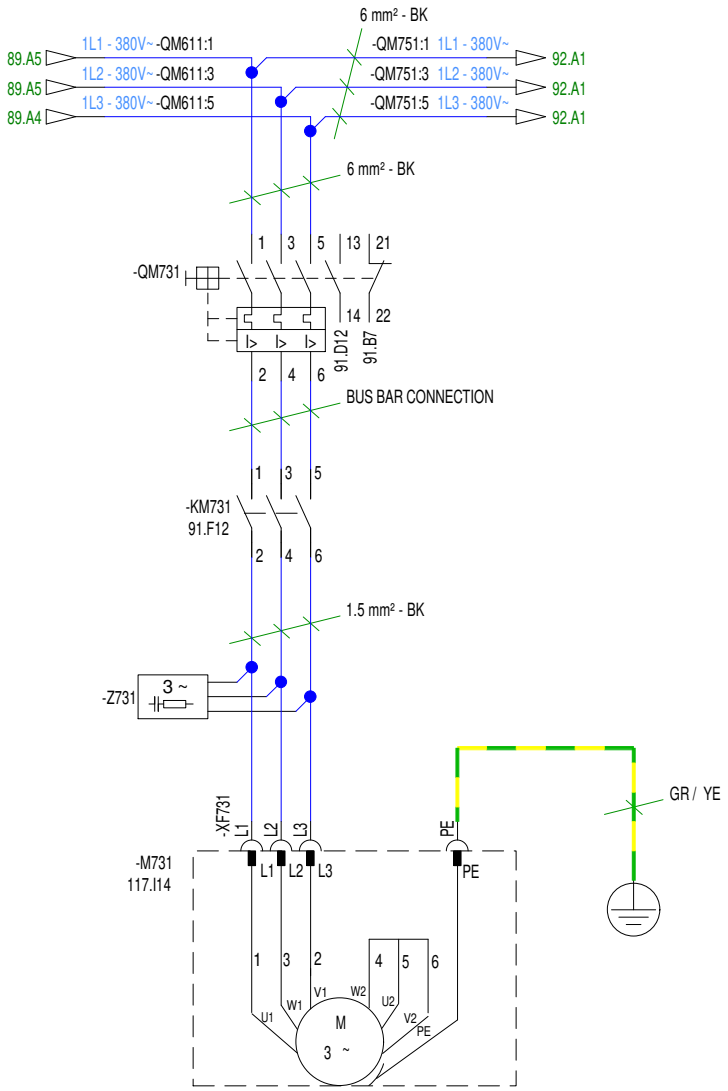
COOLANT MIST EXHAUST CONTACTOR



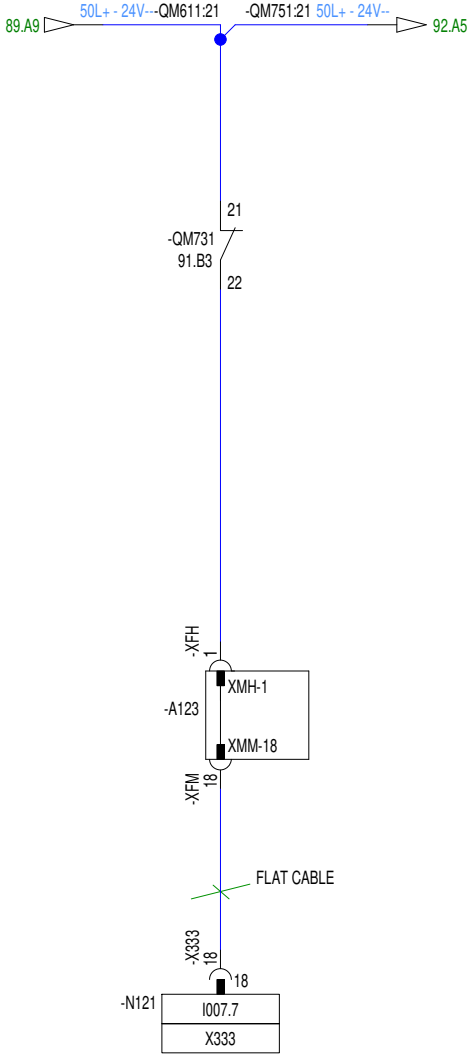
NOTE:
END OF EFFECTIVENESS

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

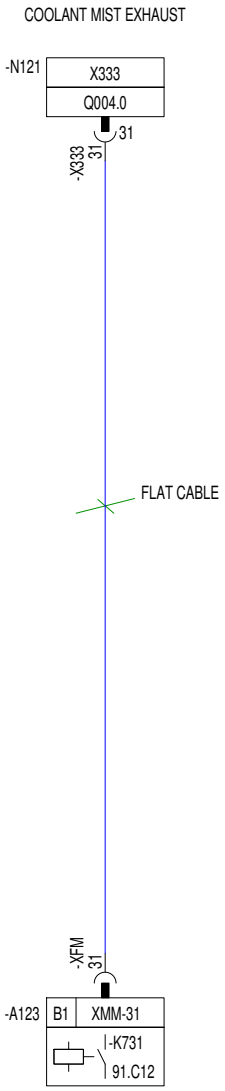
DESCRIPTION	COOLANT MIST EXHAUST				
ROMI®	DESIGNED	FERNANDO	11/09/2013	PROJECTION	SIZE
	DRAWER	ANDREW	11/09/2013		A3
	CONTROLLED	VILALTA	11/09/2013		
REFERENCE ROMI DCM	SHEET 90	SCALE	APPLICATION ROMI DCM 620-5X V3.0	N° U14186H	



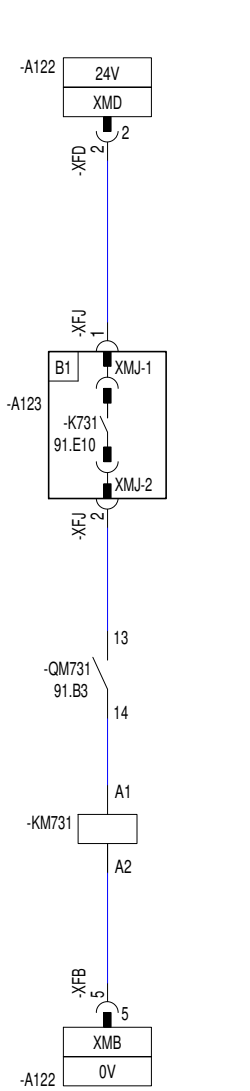
COOLANT MIST EXHAUST MOTOR



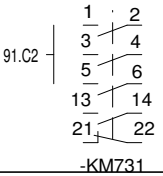
COOLANT MIST EXHAUST MOTOR OVERLOAD



MIST EXAUST RELAY



COOLANT MIST EXHAUST CONTACTOR



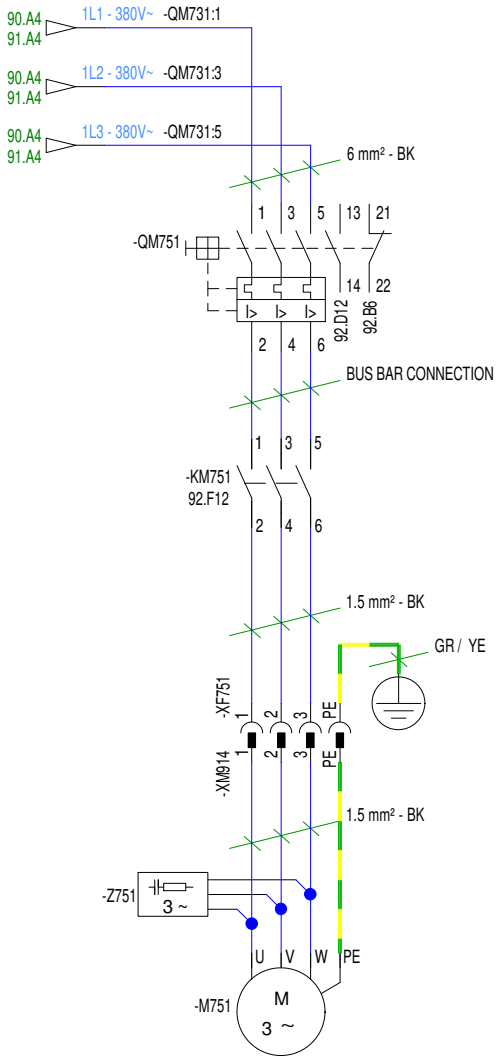
REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: COOLANT MIST EXHAUST

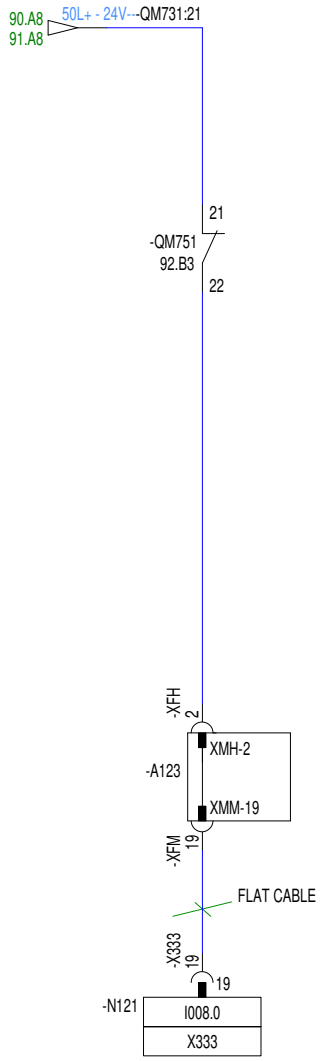
ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

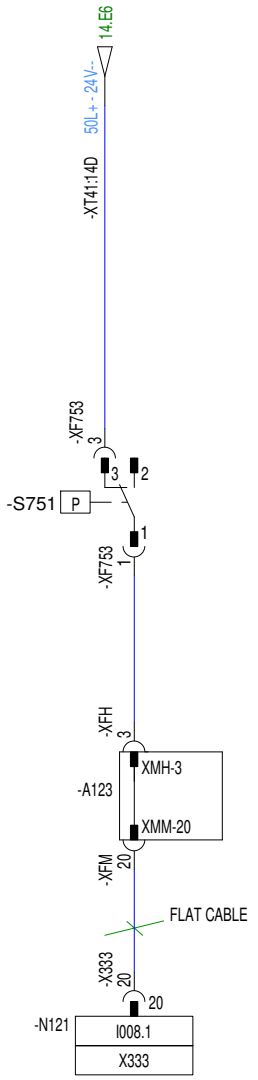
REFERENCE	SHEET	SCALE	APPLICATION	
ROMI DCM	91		ROMI DCM 620-5X V3.0	N° U14186H



MOTOR FOR SPINDLE CENTER COOLING - 7 BAR

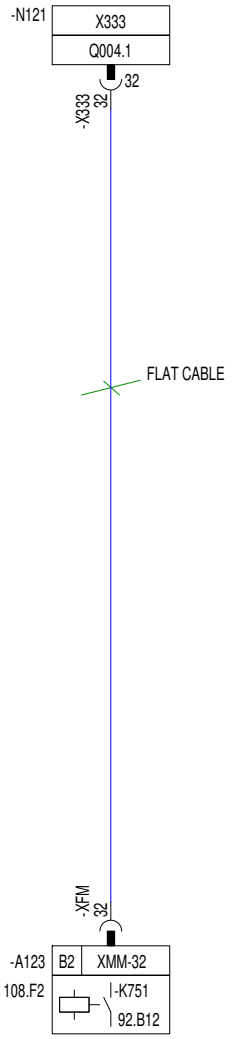


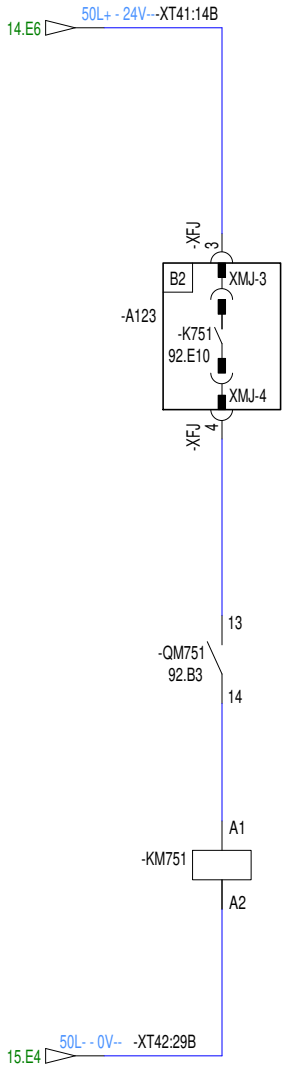
OVERLOAD OF SPINDLE CENTER COOLING MOTOR



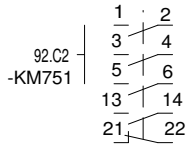
DIRTY FILTER PRESSURE SWITCH - 1

SPINDLE CENTER COOLING





SPINDLE CENTER COOLING MOTOR CONTACTOR



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

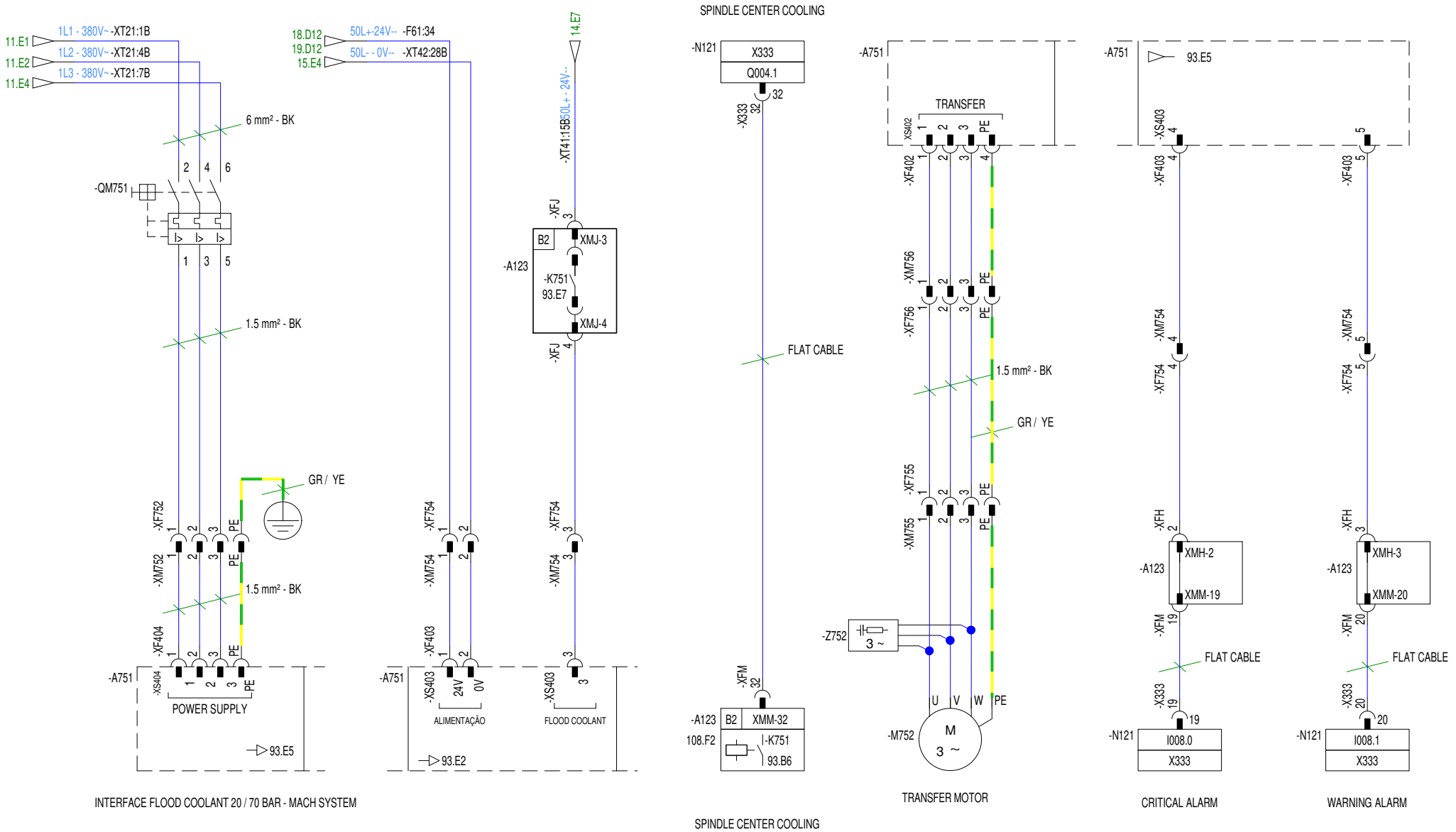
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: SPINDLE CENTER COOLANT - 7 BAR

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	92		ROMI DCM 620-5X V3.0	U14186H



INTERFACE FLOOD COOLANT 20 / 70 BAR - MACH SYSTEM

SPINDLE CENTER COOLING

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

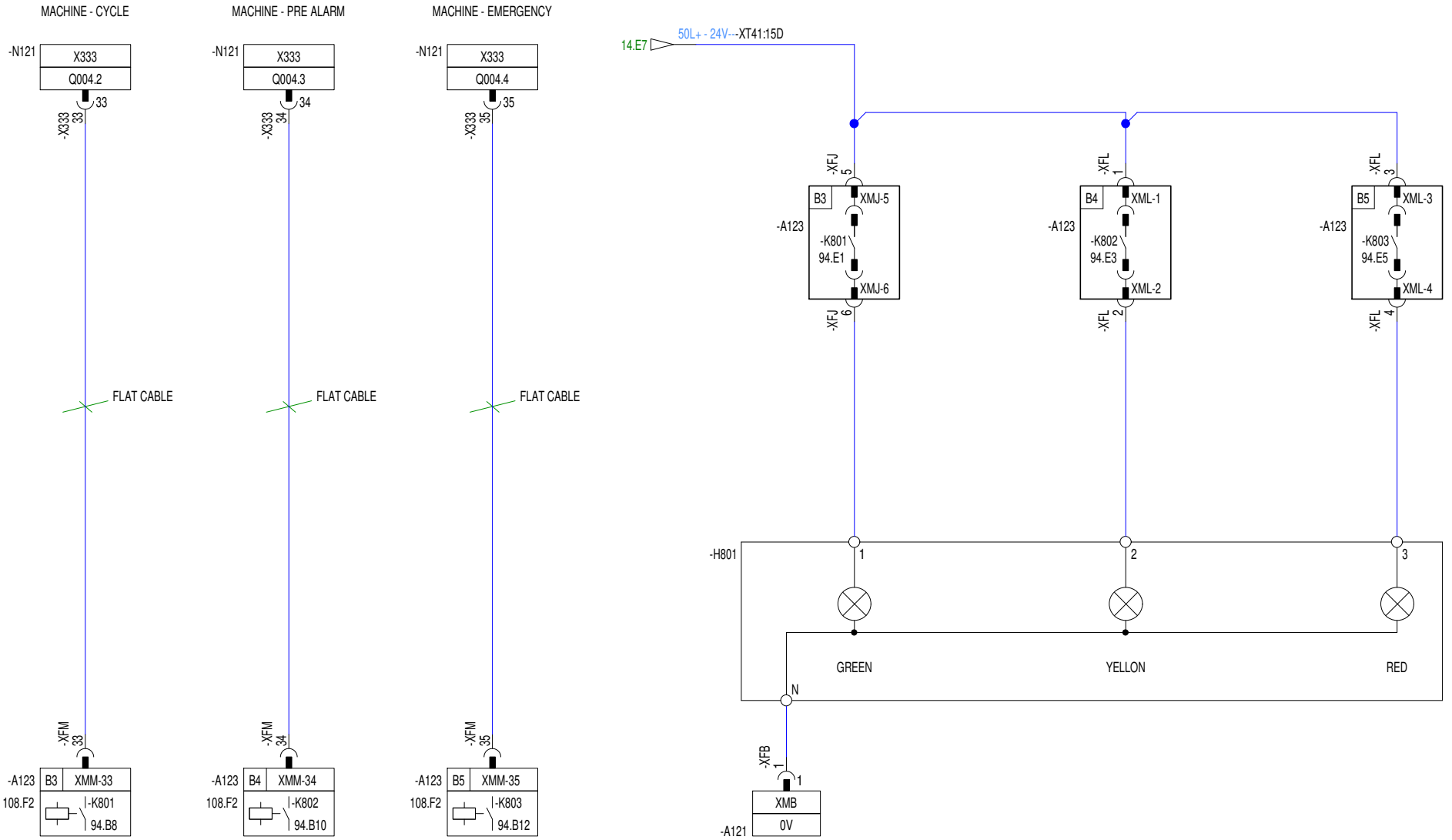
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: SPINDLE CENTER COOLANT - 20/70 BAR

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	93		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: STATUS INDICATOR

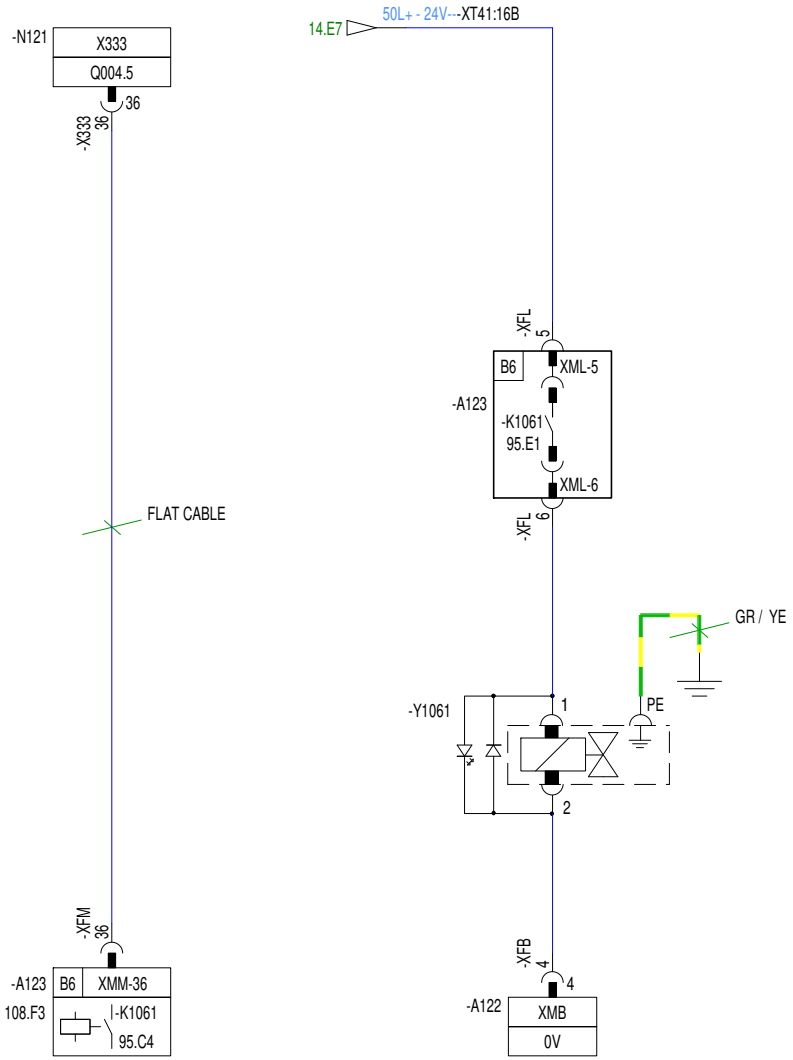
ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	94		ROMI DCM 620-5X V3.0	U14186H

PNEUMATIC CLEANING



PNEUMATIC CLEANING SOLENOID

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

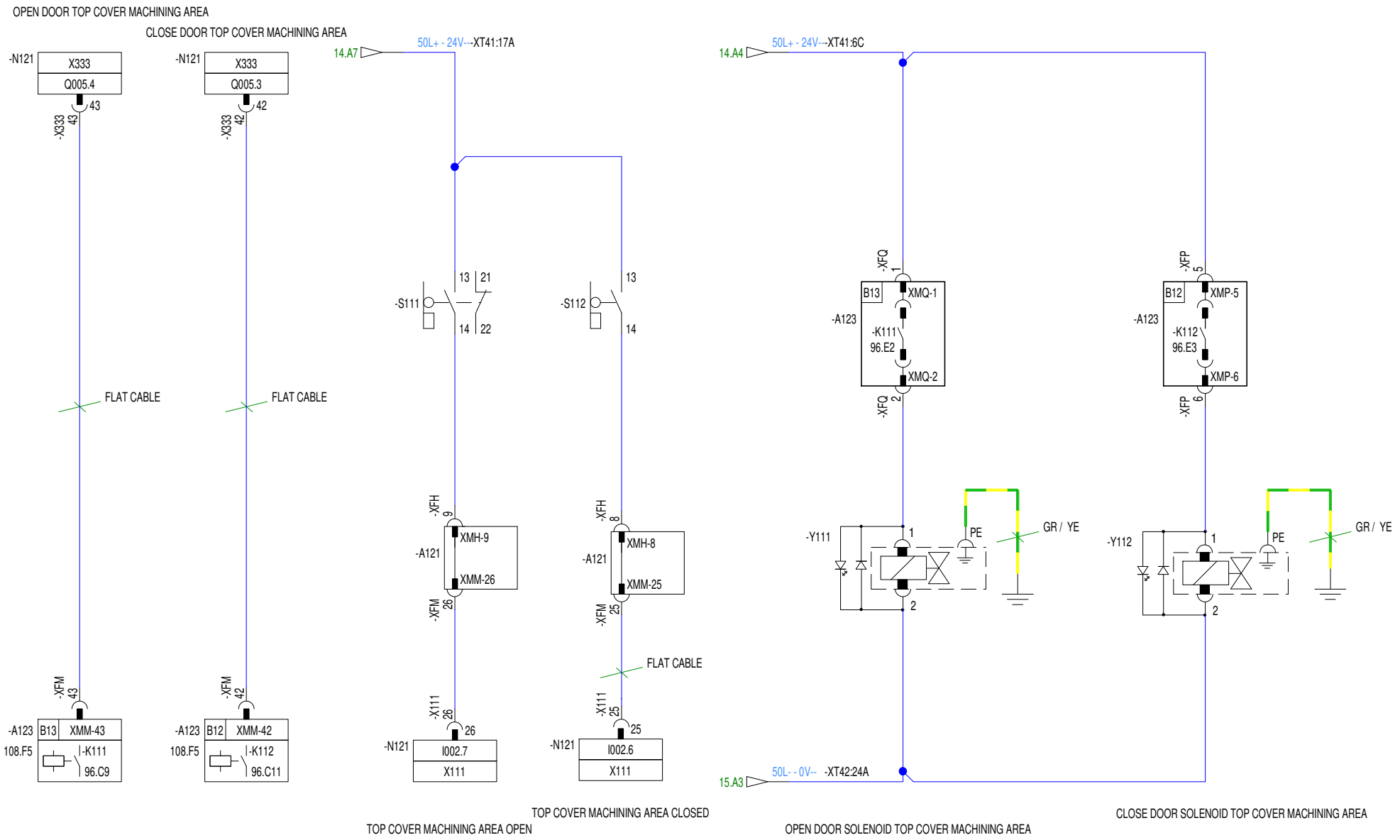
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: PNEUMATIC CLEANING

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	95		ROMI DCM 620-5X V3.0	U14186H



TOP COVER MACHINING AREA OPEN

TOP COVER MACHINING AREA CLOSED

OPEN DOOR SOLENOID TOP COVER MACHINING AREA

CLOSE DOOR SOLENOID TOP COVER MACHINING AREA

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

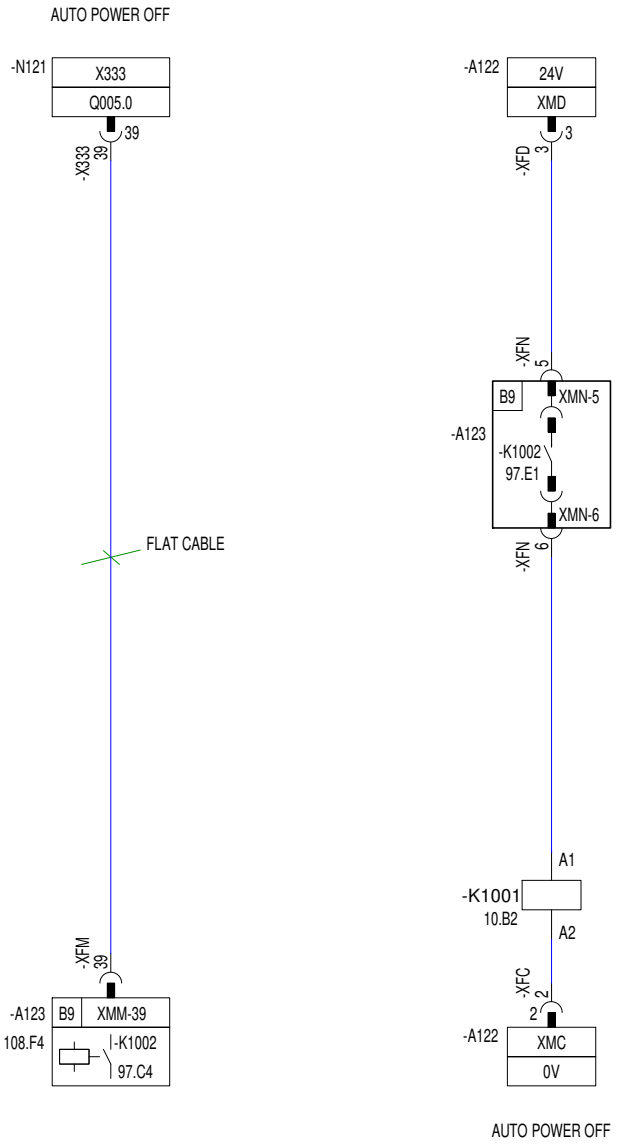
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: TOP COVER MACHINING AREA

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	96		ROMI DCM 620-5X V3.0	U14186H



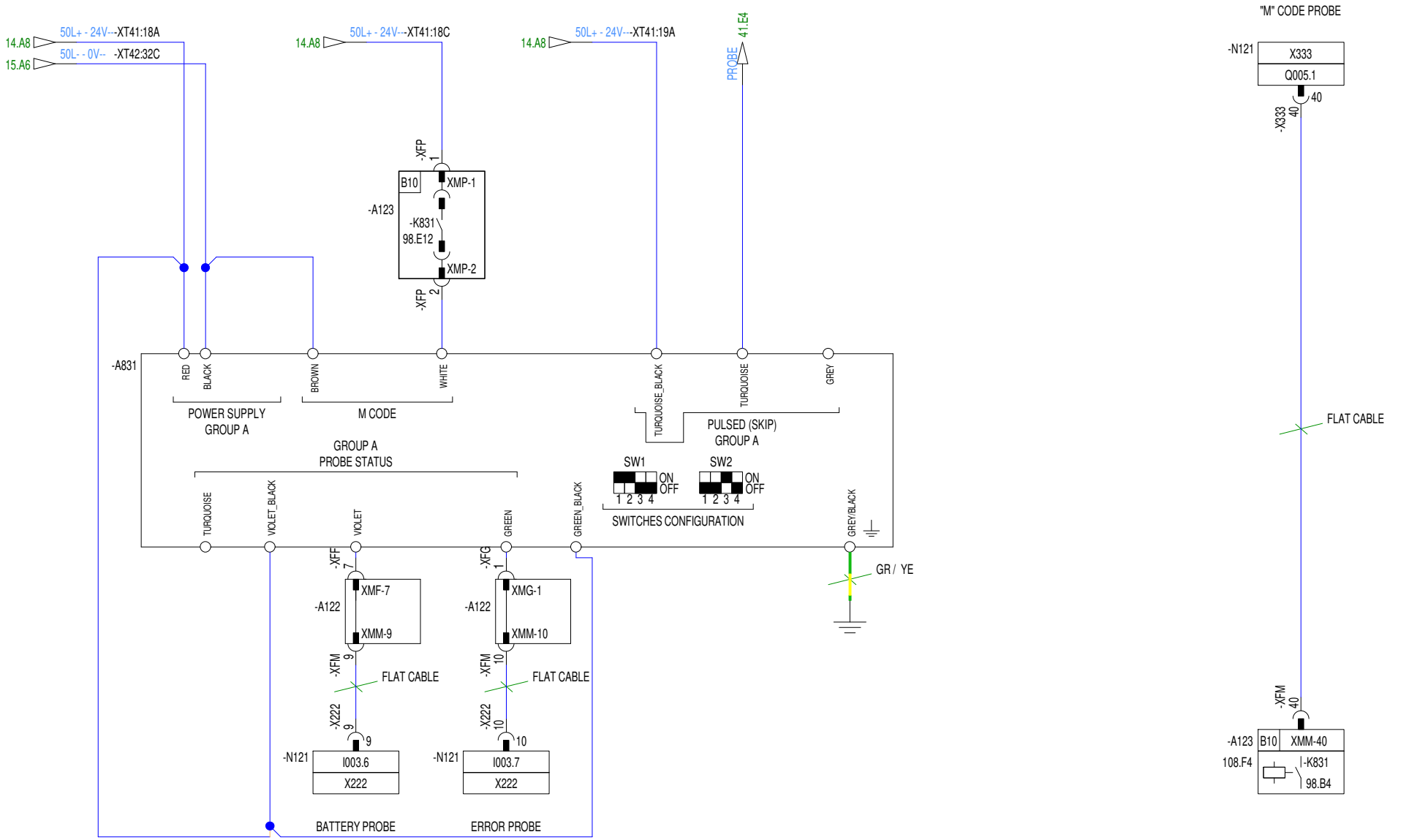
REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: AUTO POWER OFF

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	97		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

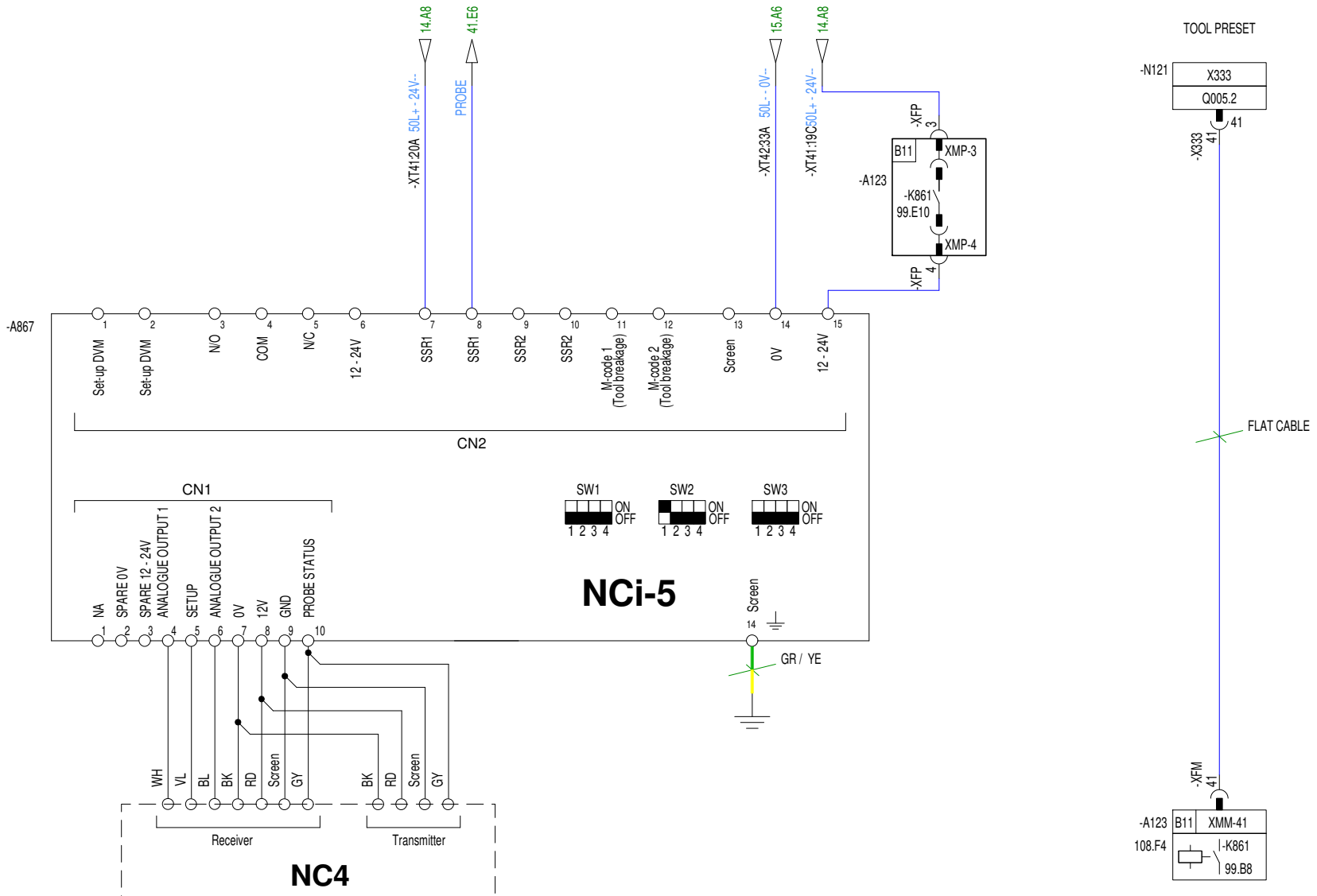
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: PART MEASUREMENT/INSPECTION

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	98		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

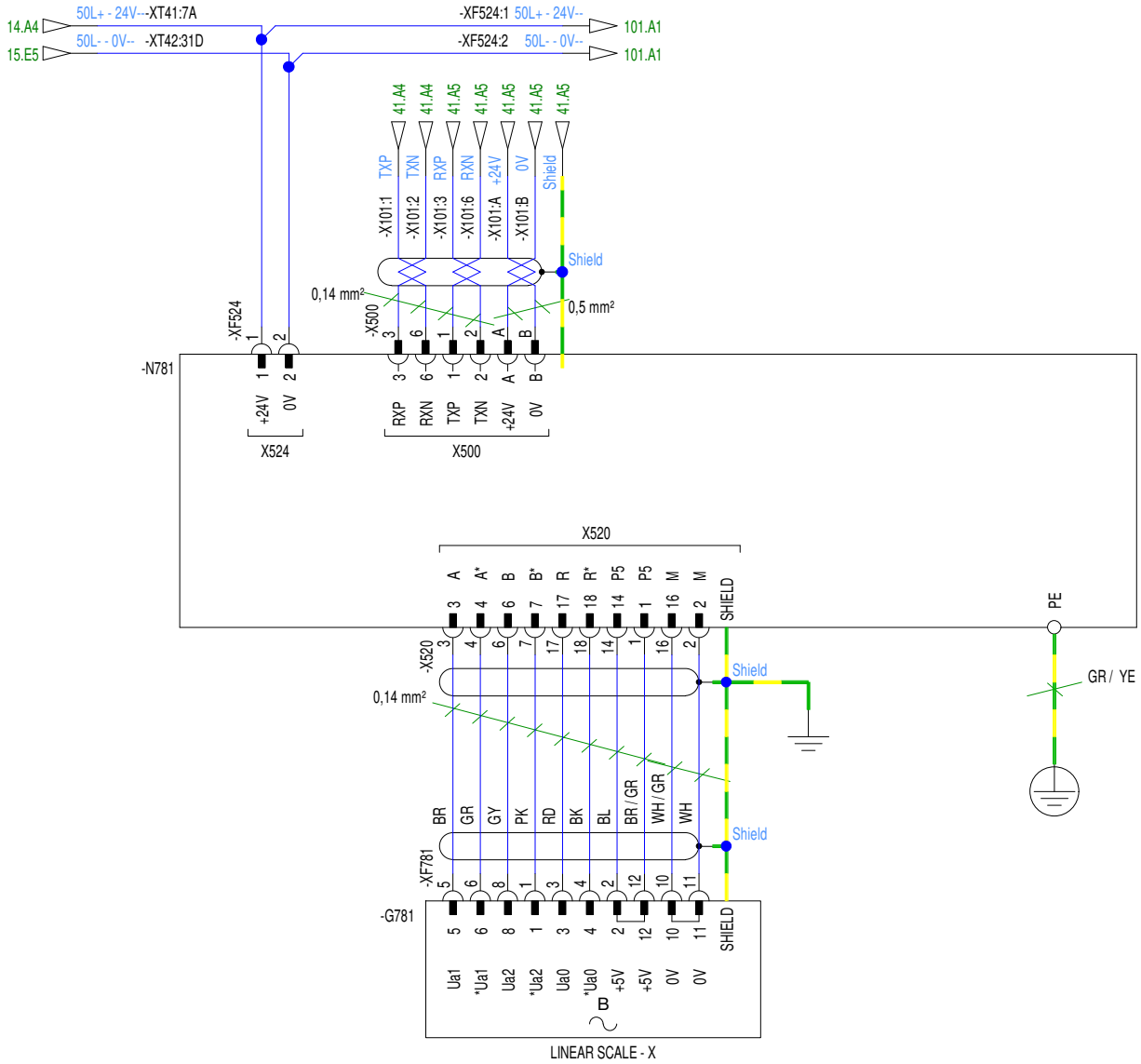
DESCRIPTION: TOOL PRESET

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	N°
ROMI DCM	99		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

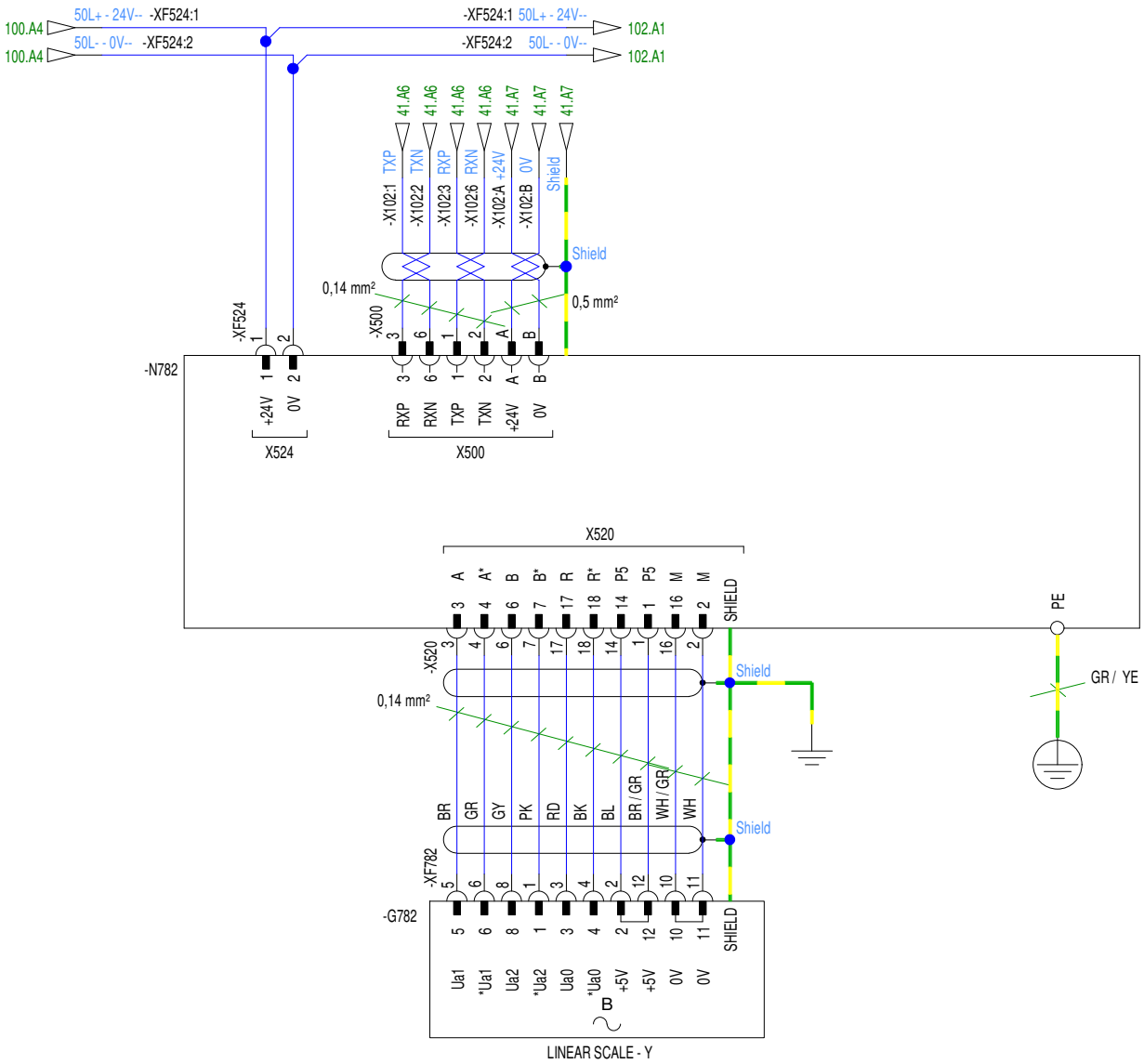
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: LINEAR SCALE - X

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	100		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

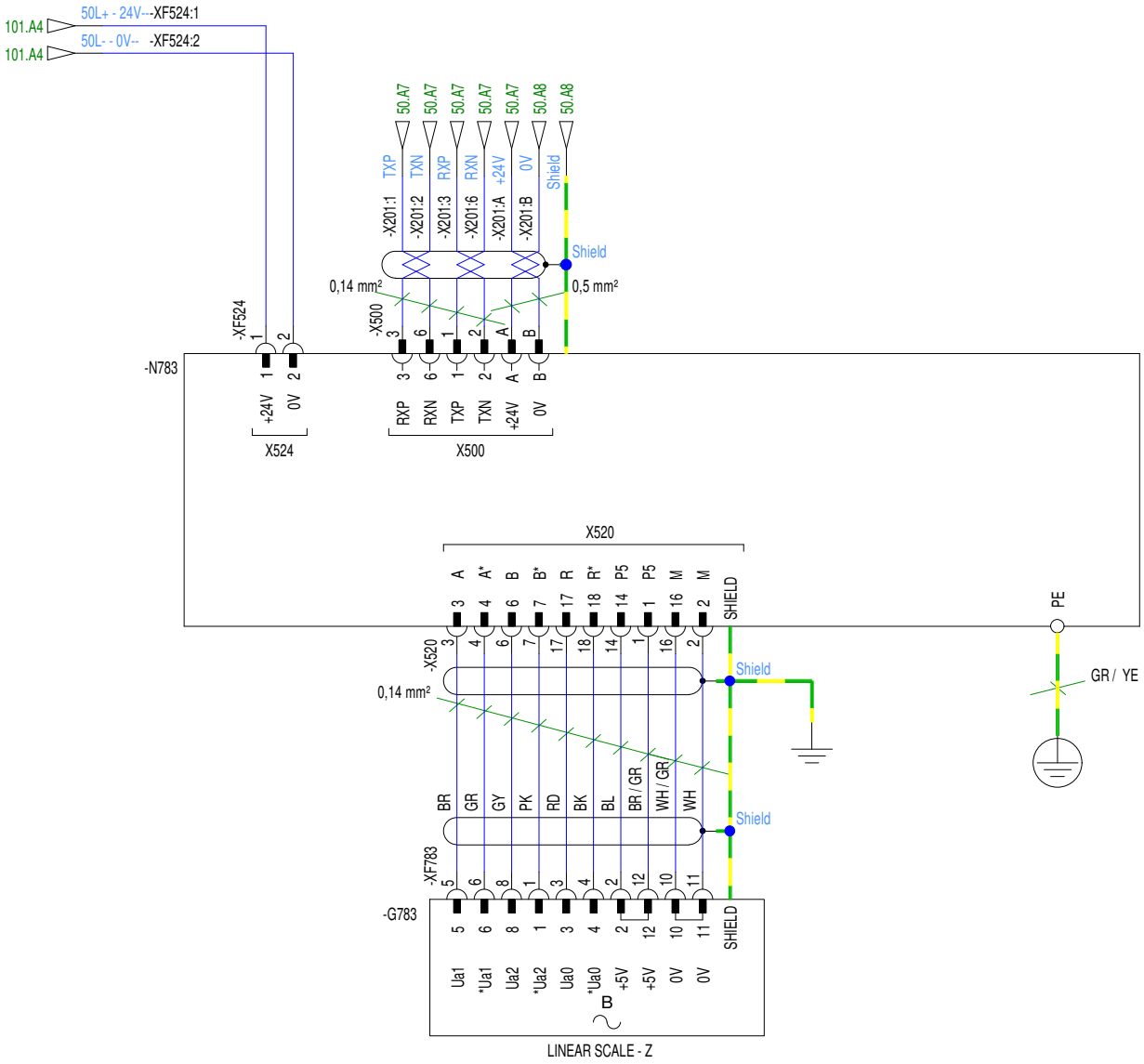
DESCRIPTION: LINEAR SCALE - Y

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	101		ROMI DCM 620-5X V3.0	U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

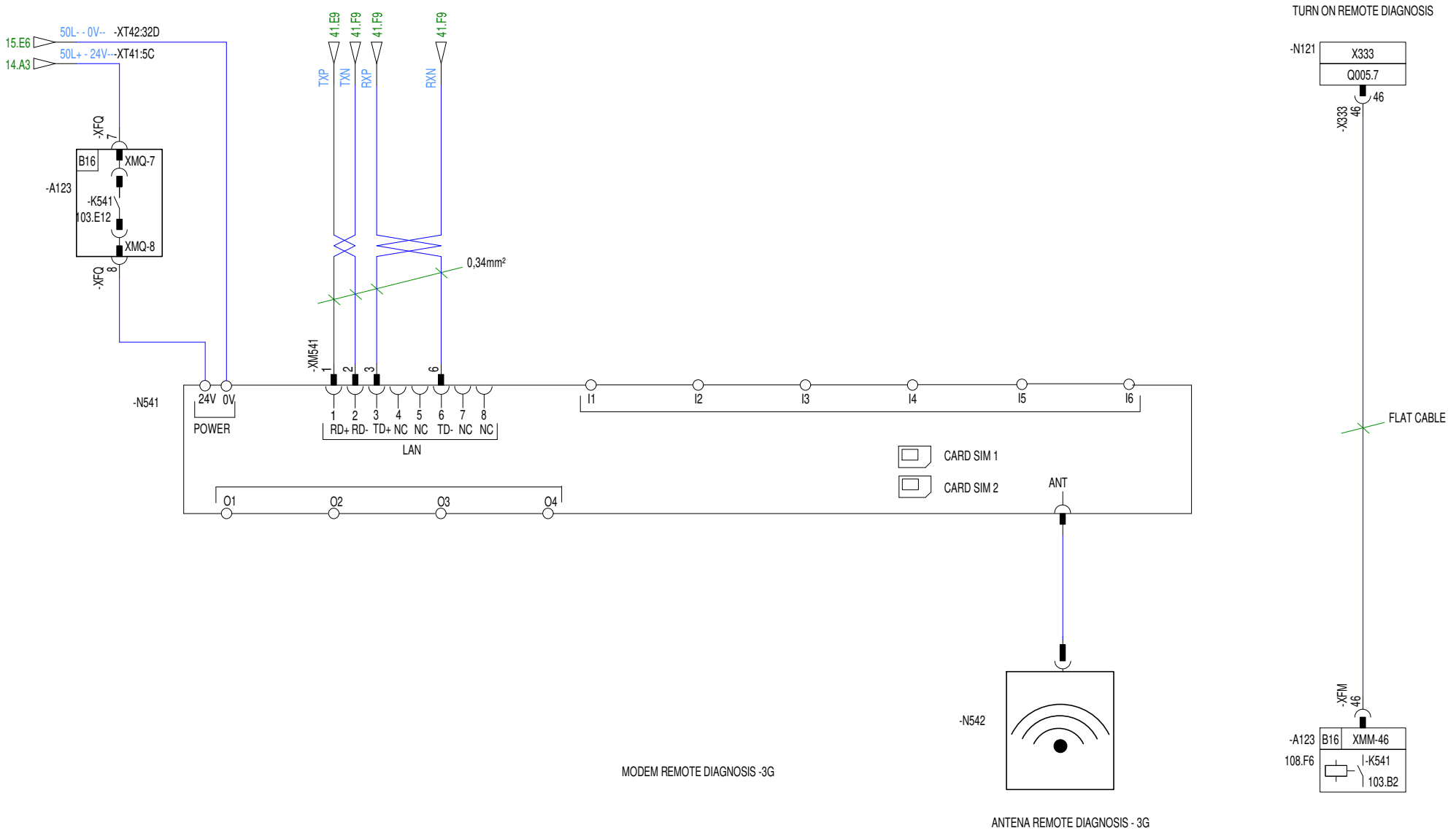
DESCRIPTION: LINEAR SCALE - Z

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	102		ROMI DCM 620-5X V3.0	U14186H



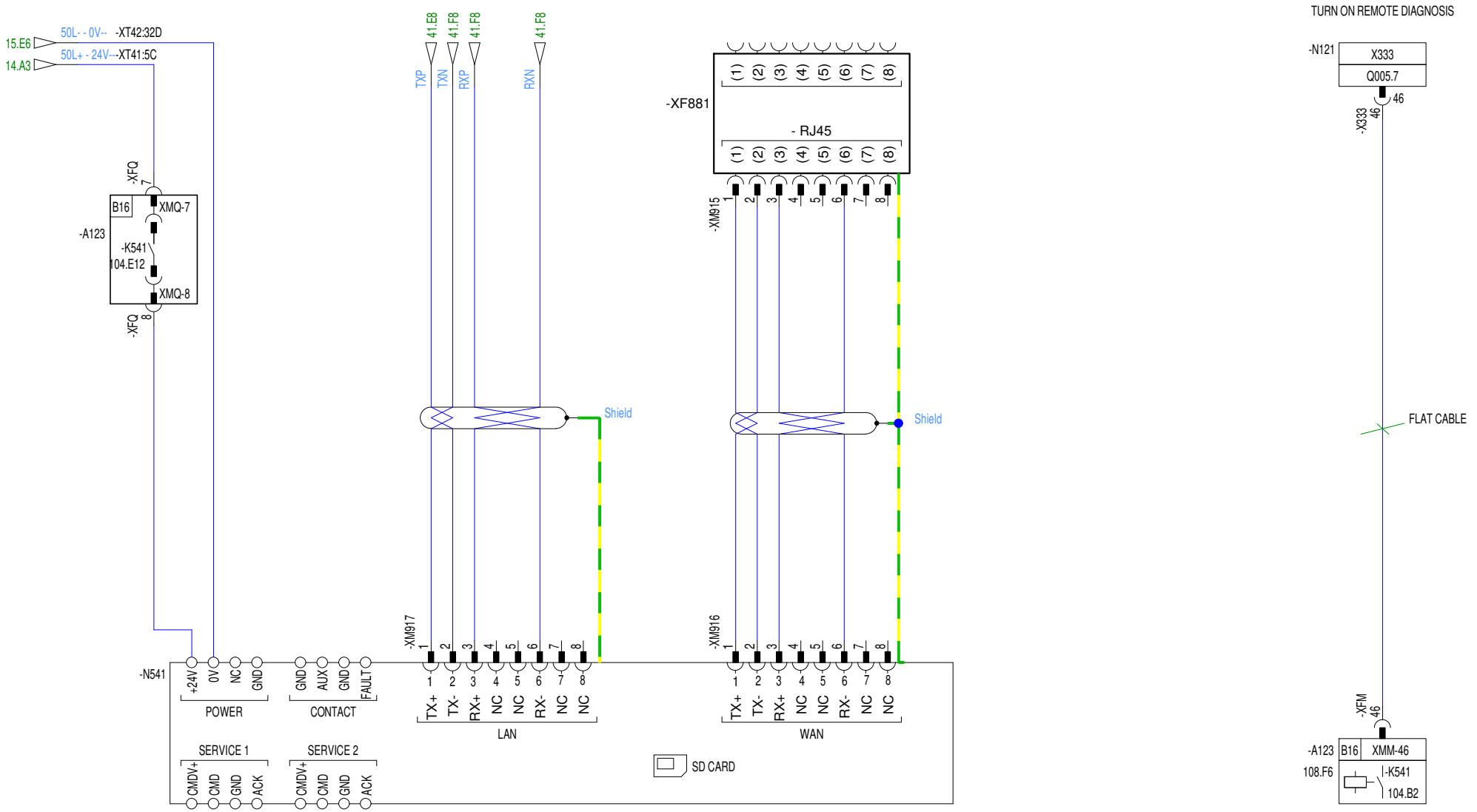
NOTE:

ETHERNET FUNCTION WILL BE DISABLED WHEN INSTALLED REMOTE DIAGNOSIS

INSERT THE SIM CARD

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION	REMOTE DIAGNOSIS-3G			
ROMI®	DESIGNED	FERNANDO	04/06/2018	PROJECTION / SIZE A3
	DRAWER	ANDREW	04/06/2018	
	CONTROLLED	VILALTA	04/06/2018	
REFERENCE ROMI DCM	SHEET 103	SCALE	APPLICATION ROMI DCM 620-5X V3.0	N° U14186H



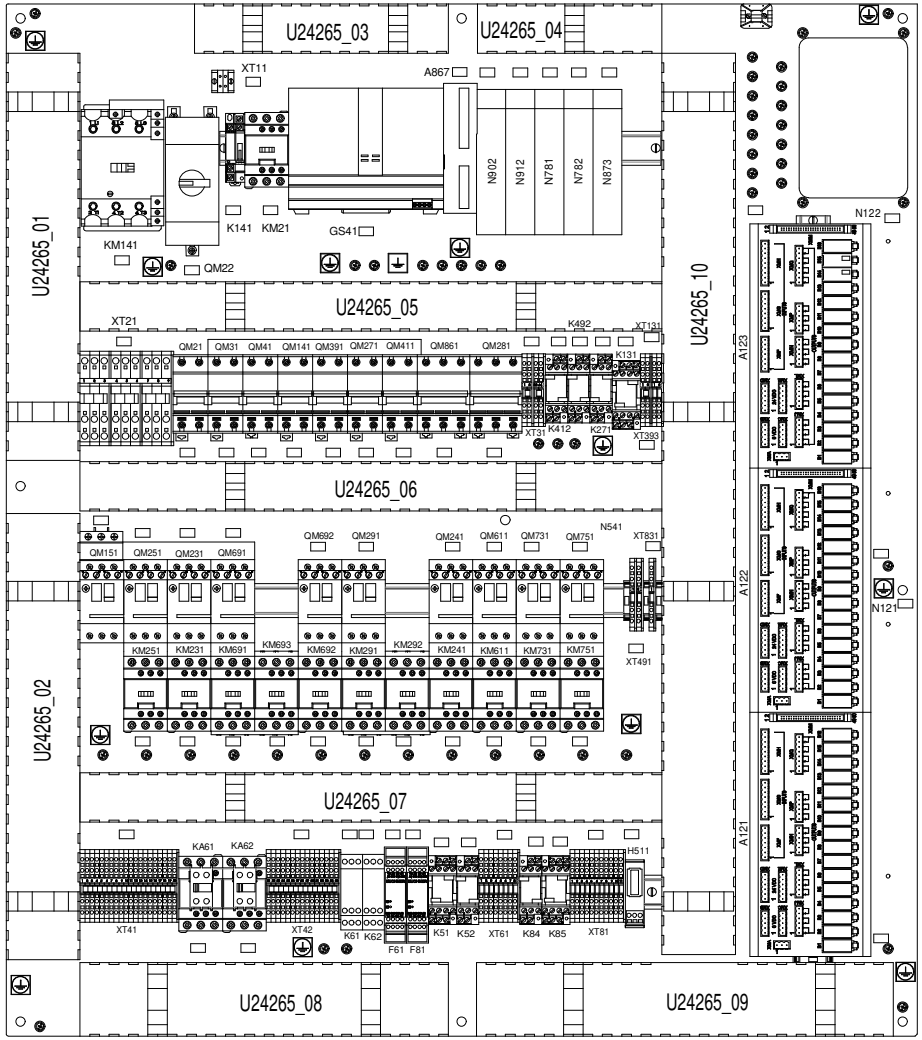
NOTE:

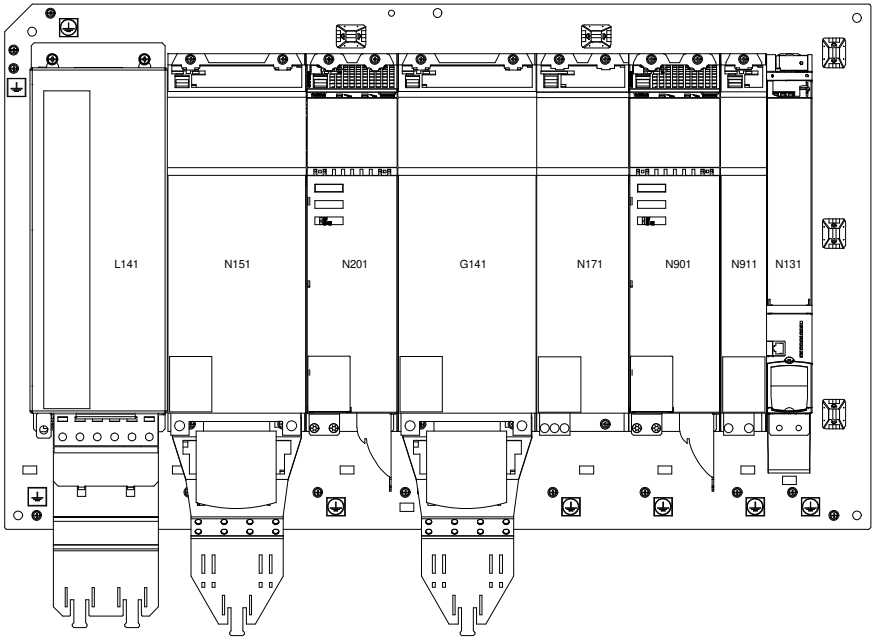
ETHERNET FUNCTION WILL BE DISABLED WHEN INSTALLED REMOTE DIAGNOSIS

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION	REMOTE DIAGNOSIS-CABLE		
ROMI®	DESIGNED	FERNANDO	04/06/2018
	DRAWER	ANDREW	04/06/2018
	CONTROLLED	VILALTA	04/06/2018
PROJECTION	SIZE	A3	
REFERENCE ROMI DCM	SHEET 104	SCALE	APPLICATION ROMI DCM 620-5X V3.0
N° U14186H			

ELECTRICAL PANEL LAYOUT:





REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

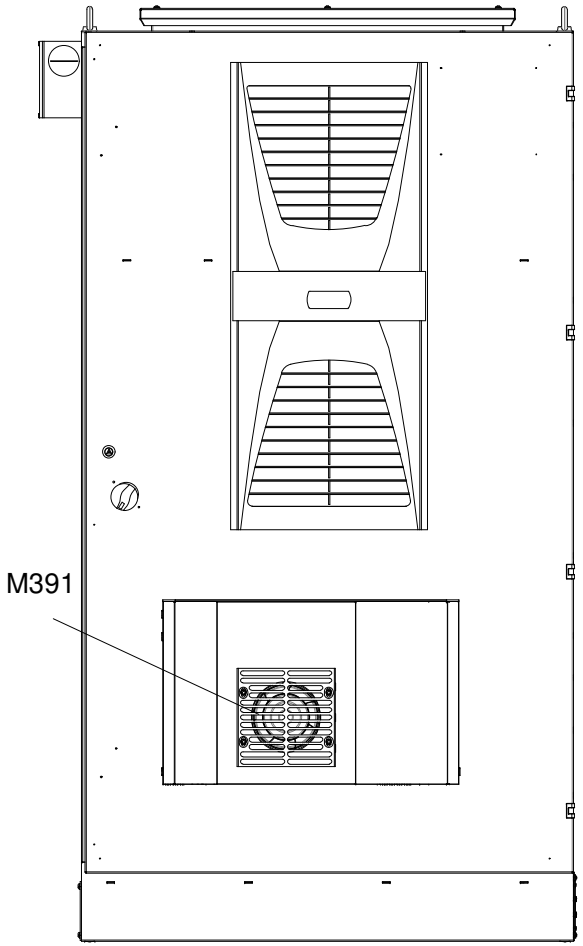
DESCRIPTION: ELECTRICAL PANEL LAYOUT

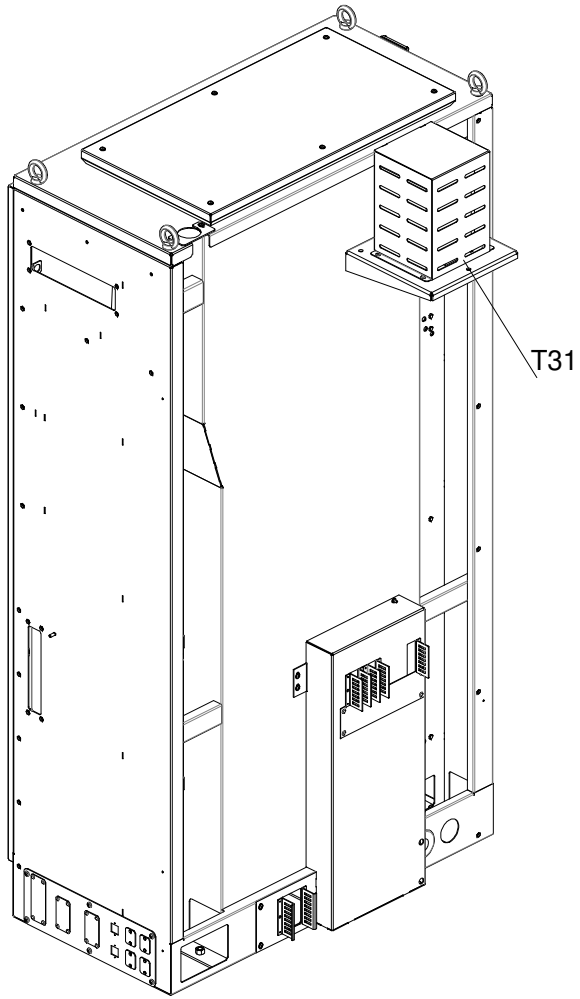
ROMI®

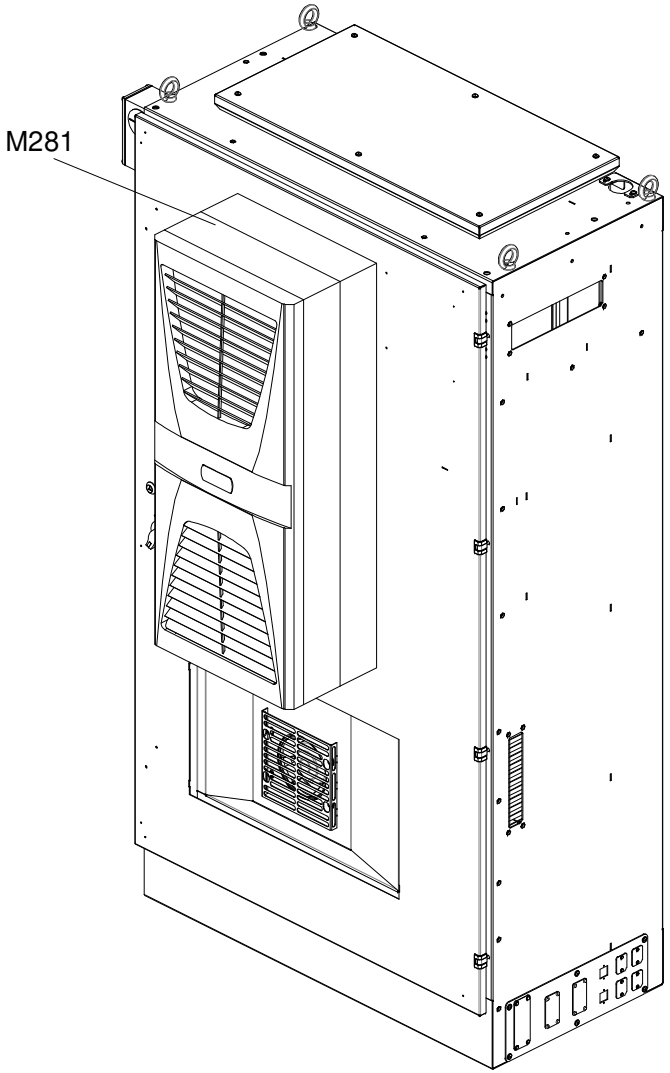
DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	105		ROMI DCM 620-5X V3.0	U14186H

ELECTRICAL PANEL LAYOUT:





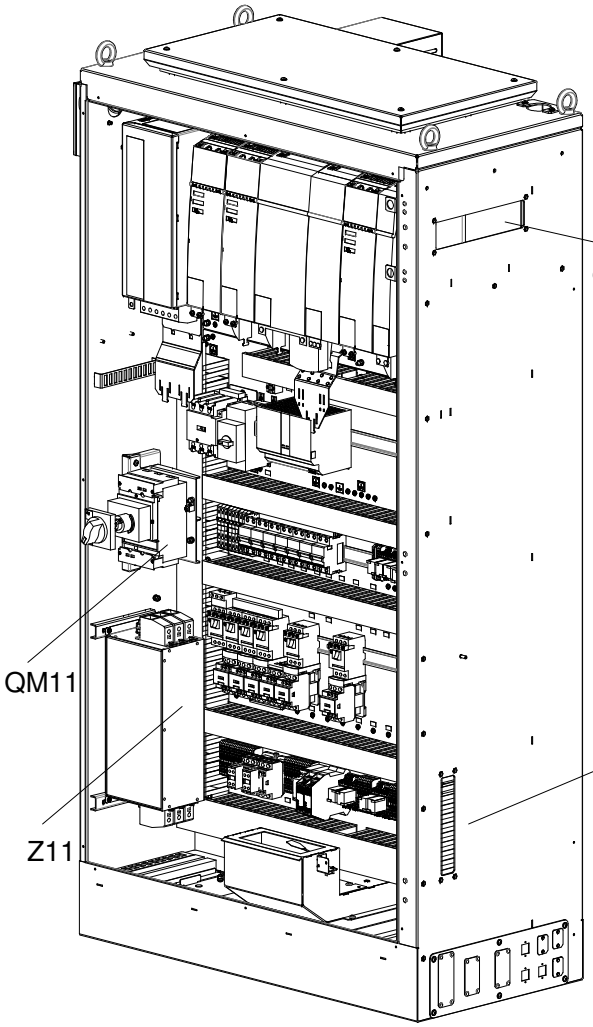


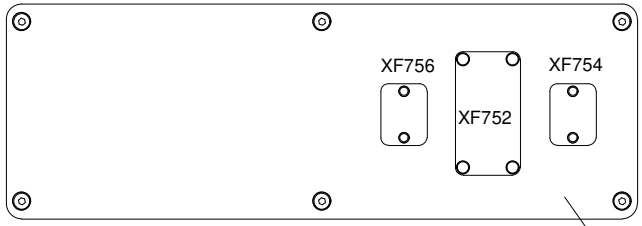
REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

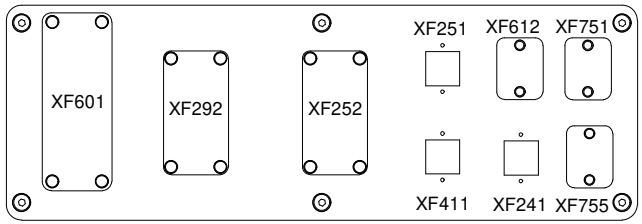
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

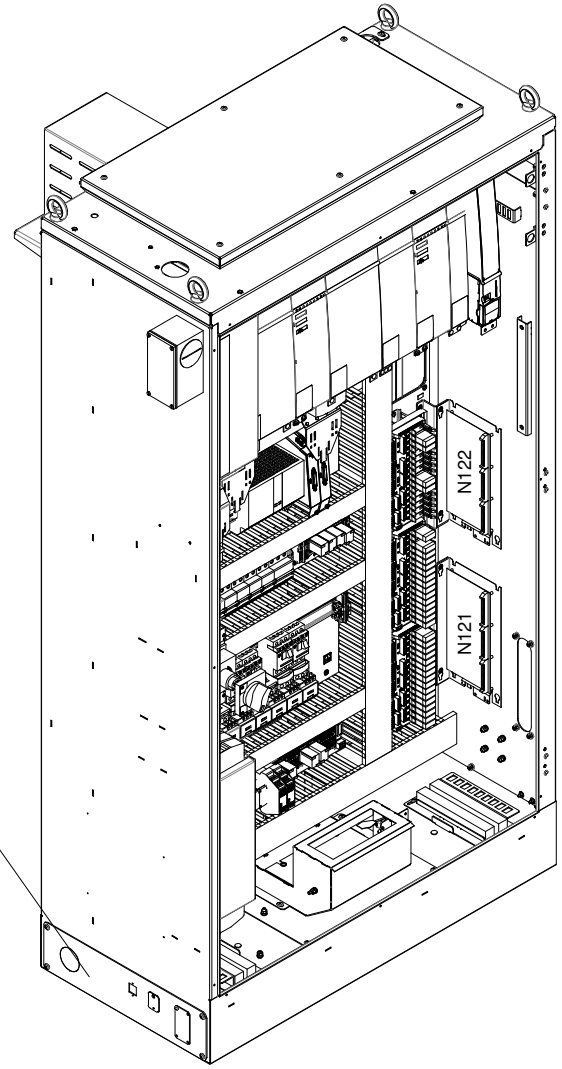
DESCRIPTION	ELECTRICAL PANEL LAYOUT			
ROMI®	DESIGNED	FERNANDO	11/09/2013	PROJECTION / SIZE A3
	DRAWER	ANDREW	11/09/2013	
	CONTROLLED	VILALTA	11/09/2013	
REFERENCE ROMI DCM	SHEET 106	SCALE	APPLICATION ROMI DCM 620-5X V3.0	N° U14186H

ELECTRICAL PANEL LAYOUT:







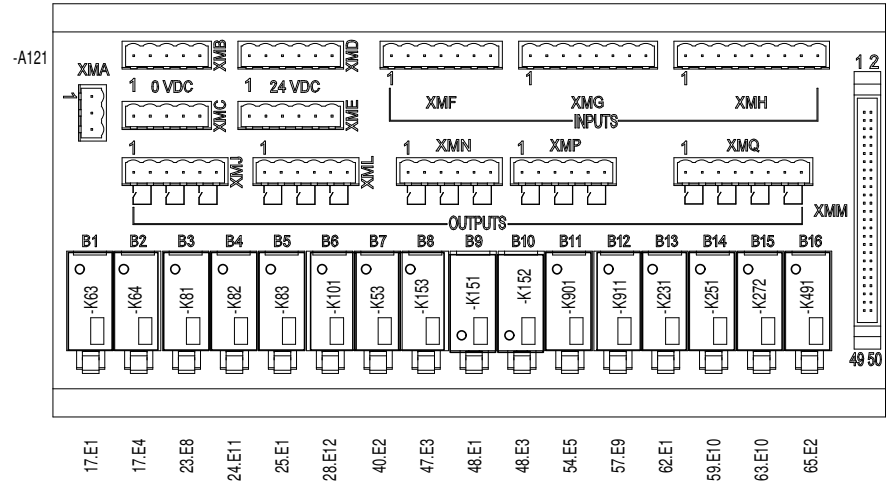


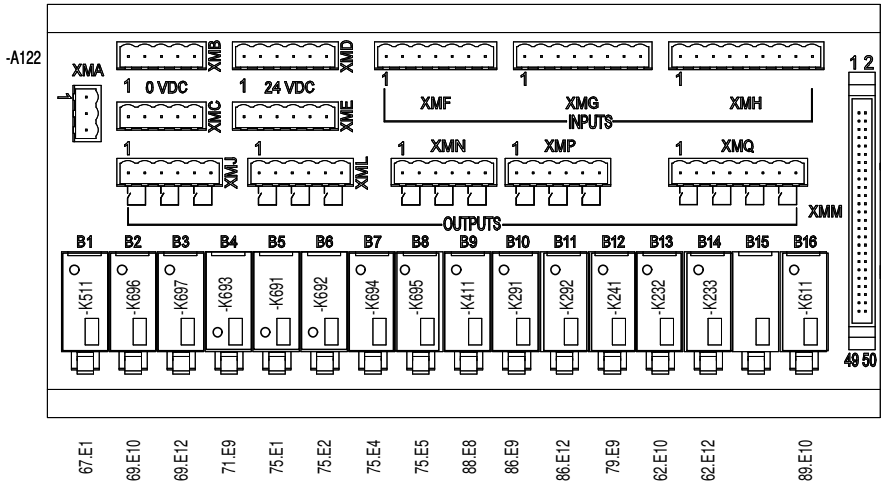
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
REL.	MODIFICATION	MODIF.	APROV.	DATE

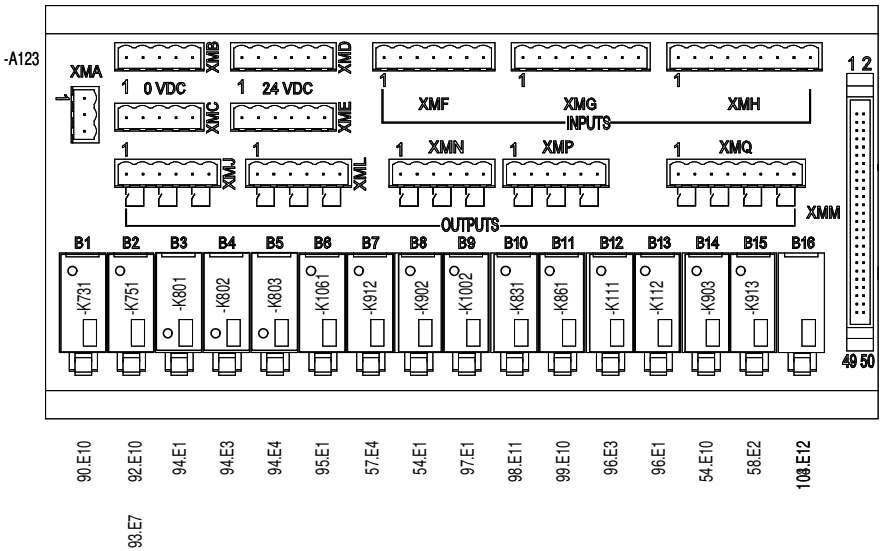
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15
REL.	MODIFICATION	MODIF.	APROV.	DATE

DESCRIPTION	ELECTRICAL PANEL LAYOUT				
ROMI®	DESIGNED	FERNANDO	11/09/2013	PROJECTION	SIZE
	DRAWER	ANDREW	11/09/2013		A3
	CONTROLLED	VILALTA	11/09/2013		
REFERENCE ROMI DCM	SHEET 107	SCALE	APPLICATION ROMI DCM 620-5X V3.0	N° U14186H	

I/O INTERFACE MODULE - 48/32







REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

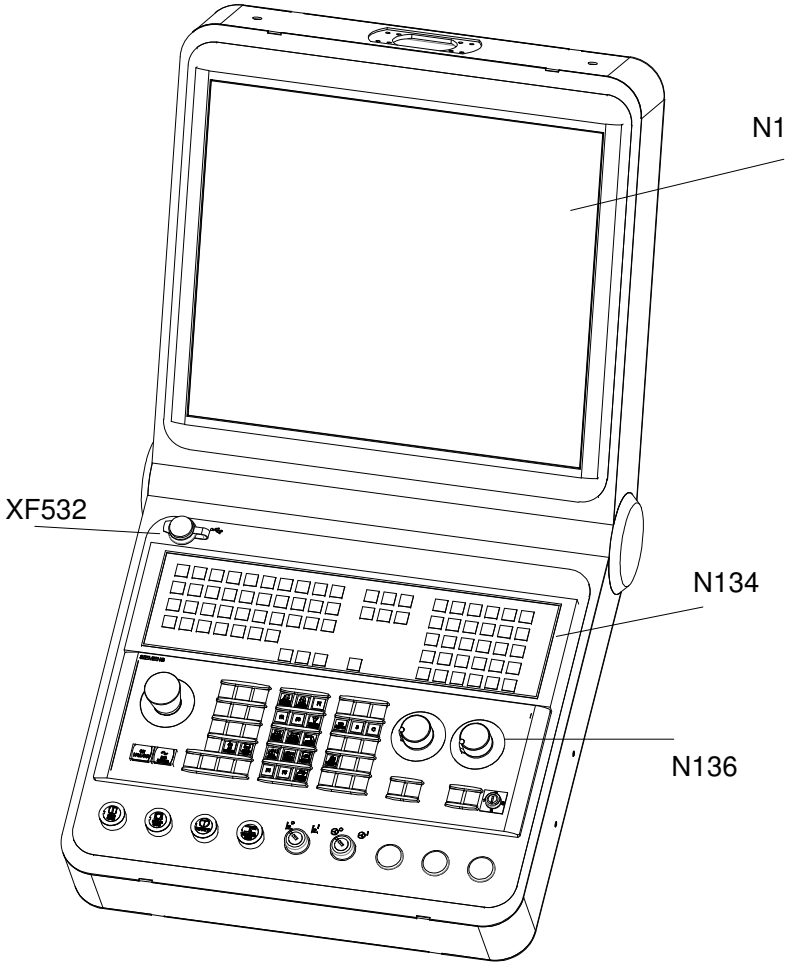
DESCRIPTION: ELECTRICAL PANEL LAYOUT

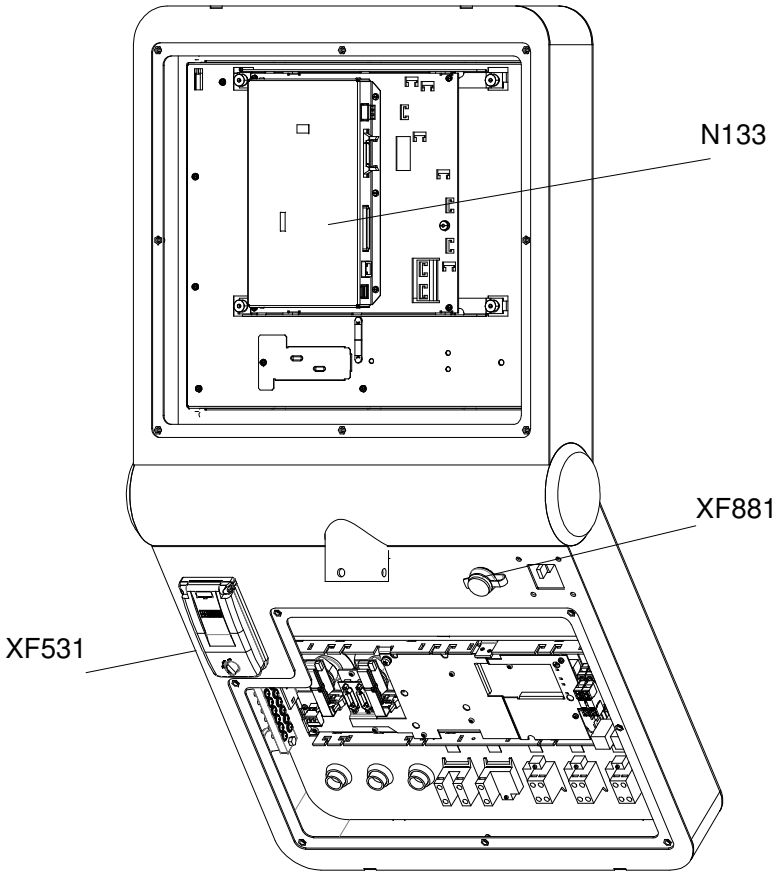
ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	108		ROMI DCM 620-5X V3.0	U14186H

OPERATOR`S PANEL LAYOUT





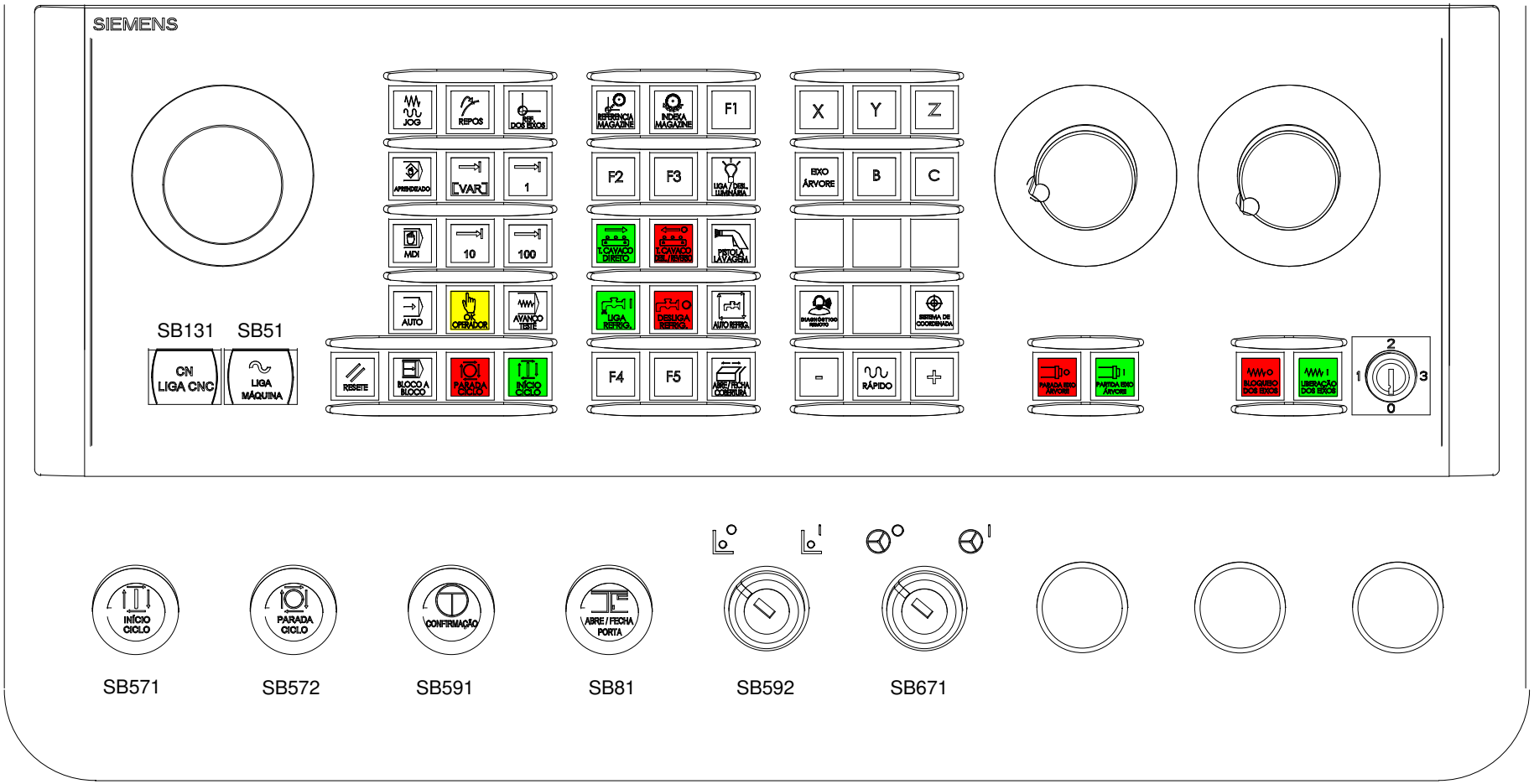
REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION	OPERATOR`S PANEL LAYOUT			
ROMI®	DESIGNED	FERNANDO	11/09/2013	PROJECTION / SIZE A3
	DRAWER	ANDREW	11/09/2013	
	CONTROLLED	VILALTA	11/09/2013	
REFERENCE ROMI DCM	SHEET 109	SCALE	APPLICATION ROMI DCM 620-5X V3.0	N° U14186H

OPERATOR`S PANEL LAYOUT PORTUGUESE

N136



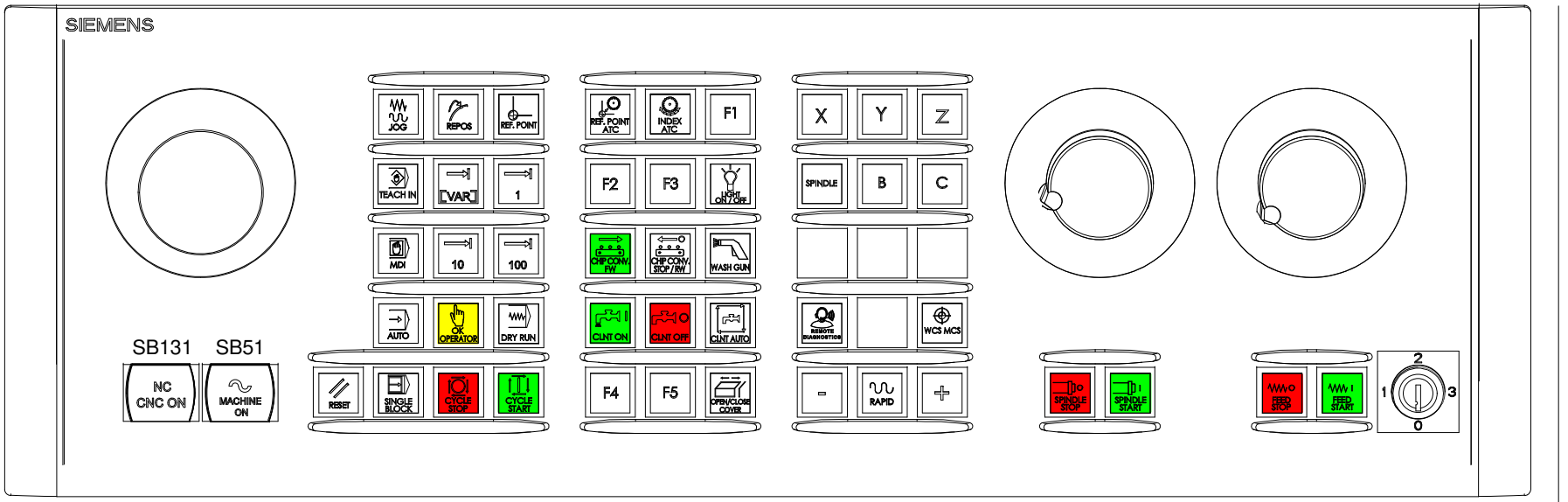
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
REL.	MODIFICATION	MODIF.	APROV.	DATE

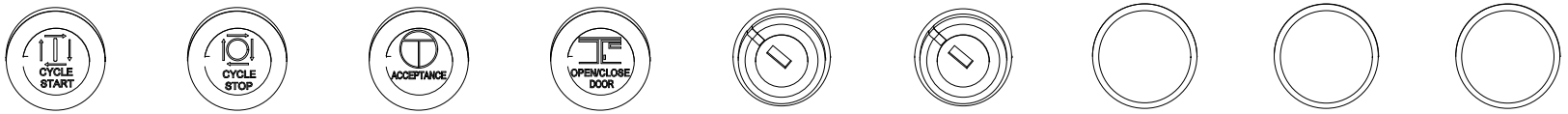
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15
REL.	MODIFICATION	MODIF.	APROV.	DATE

DESCRIPTION	OPERATOR`S PANEL LAYOUT				
ROMI®	DESIGNED	FERNANDO	11/09/2013	PROJECTION	SIZE
	DRAWER	ANDREW	11/09/2013		A3
	CONTROLLED	VILALTA	11/09/2013		
REFERENCE ROMI DCM	SHEET 110	SCALE	APPLICATION ROMI DCM 620-5X V3.0	N° U14186H	

OPERATOR`S PANEL LAYOUT ENGLISH

N136





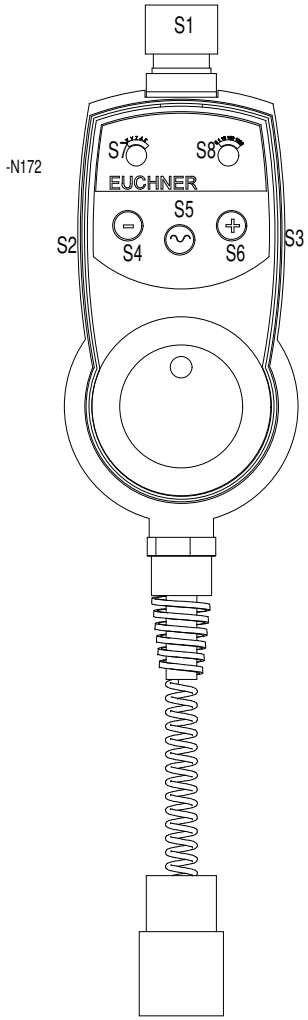
SB571 SB572 SB591 SB81 SB592 SB671

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION	OPERATOR`S PANEL LAYOUT				
ROMI®	DESIGNED	FERNANDO	11/09/2013	PROJECTION	SIZE
	DRAWER	ANDREW	11/09/2013		A3
	CONTROLLED	VILALTA	11/09/2013		
REFERENCE ROMI DCM	SHEET 111	SCALE	APPLICATION ROMI DCM 620-5X V3.0	N° U14186H	

OPERATOR`S PANEL LAYOUT

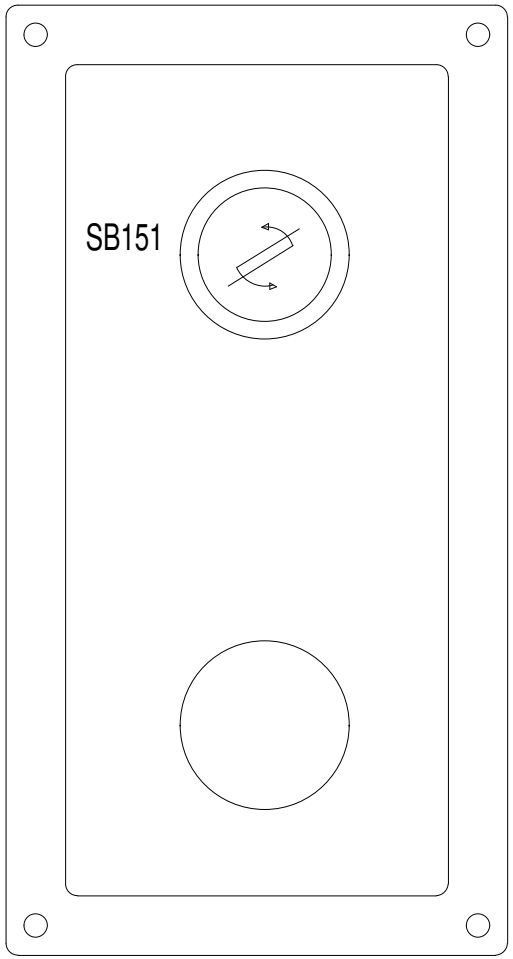
(REMOTE OPERATOR PANEL)



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION	OPERATOR`S PANEL LAYOUT				
ROMI®	DESIGNED	FERNANDO	11/09/2013	PROJECTION	SIZE
	DRAWER	ANDREW	11/09/2013		A3
	CONTROLLED	VILALTA	11/09/2013		
REFERENCE: ROMI DCM	SHEET: 112	SCALE:	APPLICATION: ROMI DCM 620-5X V3.0	N° U14186H	

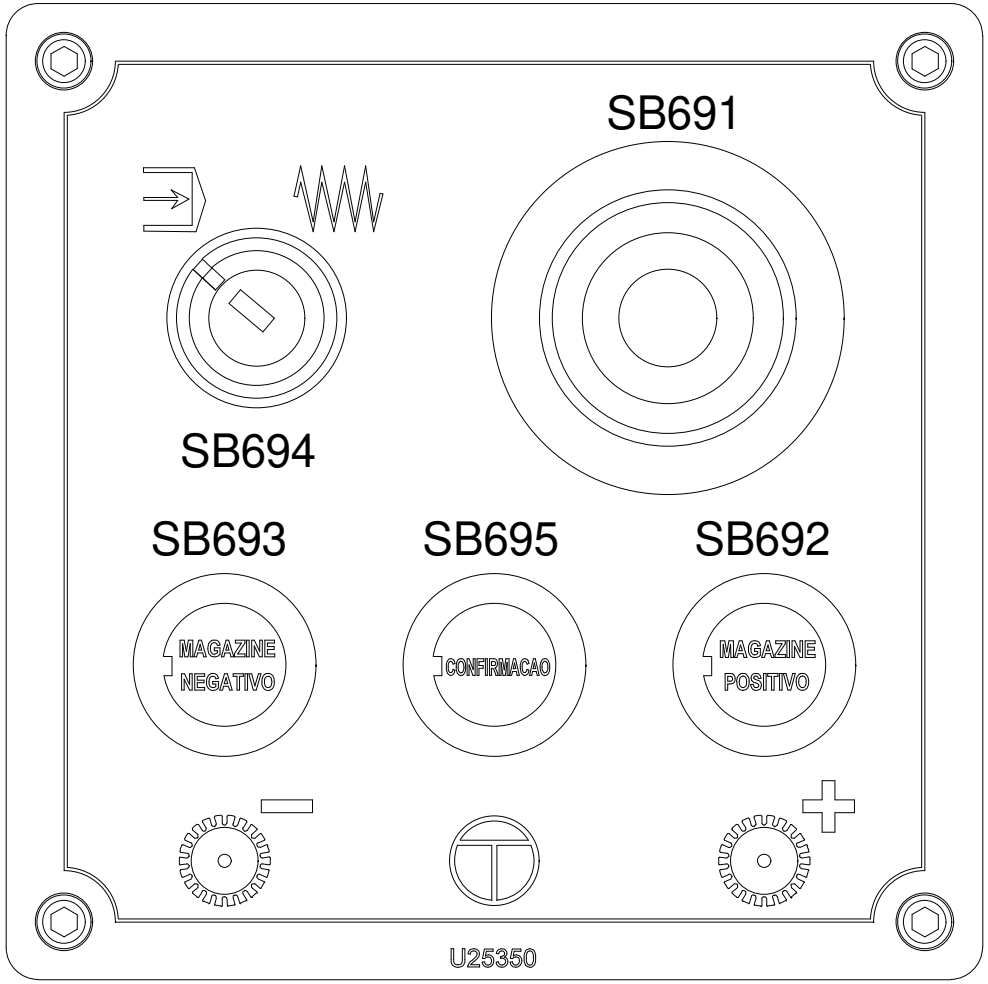
AUXILIARY COMMAND LAYOUT
(SPINDLE)



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION	OPERATOR`S PANEL LAYOUT		
ROMI®	DESIGNED	FERNANDO	11/09/2013
	DRAWER	ANDREW	11/09/2013
	CONTROLLED	VILALTA	11/09/2013
PROJECTION	SIZE		
	A3		
REFERENCE	SHEET	SCALE	APPLICATION
ROMI DCM	113		ROMI DCM 620-5X V3.0
N° U14186H			



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

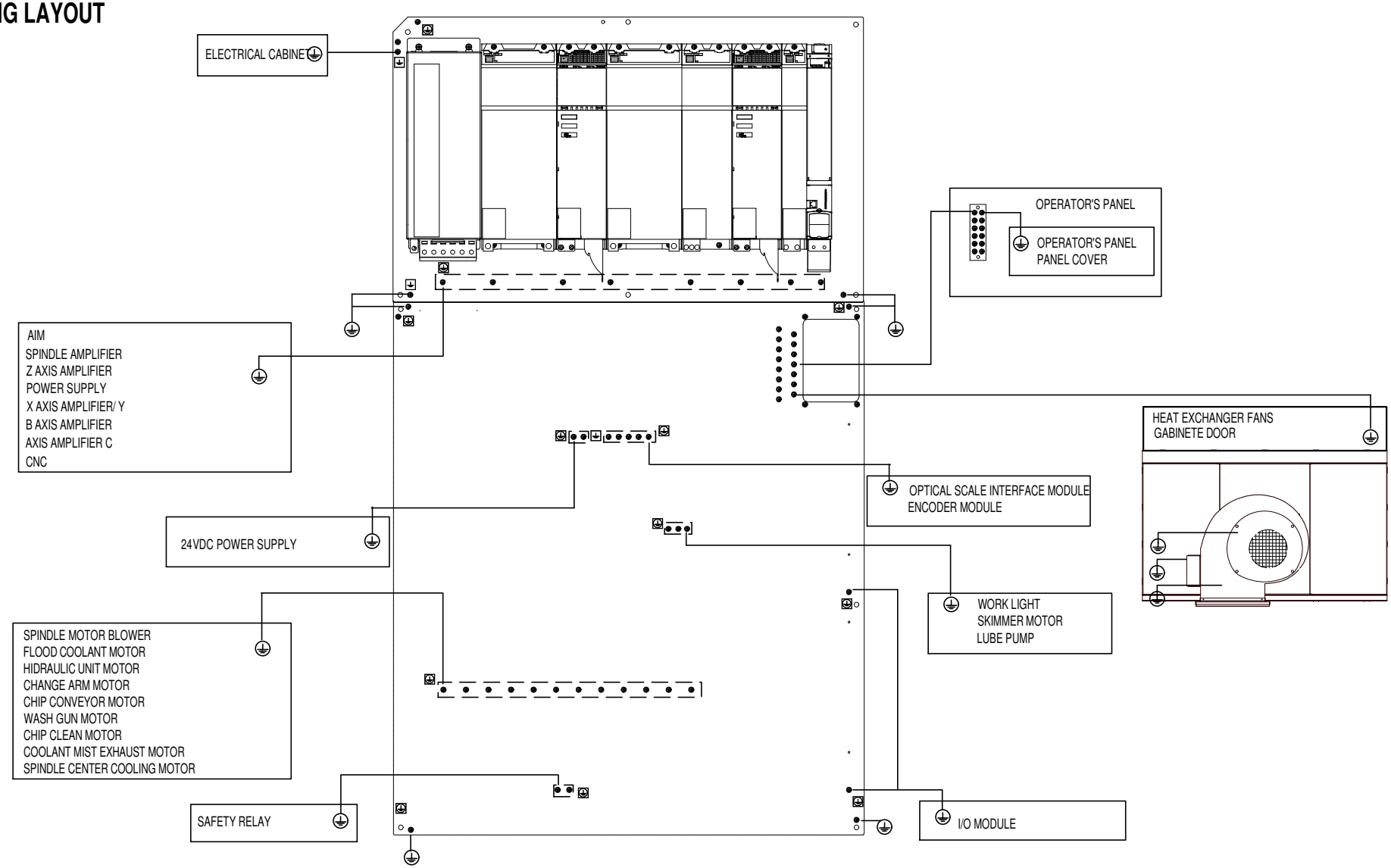
DESCRIPTION: LATHE LAYOUT

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	114		ROMI DCM 620-5X V3.0	U14186H

GROUNDING LAYOUT



NOTE:

GROUND WIRE GAGES

1.5mm² - 16mm² → SAME WIRE GAGES
25mm² - 35mm² → 16mm²
> - 35mm² → HALF WIRE GAGES

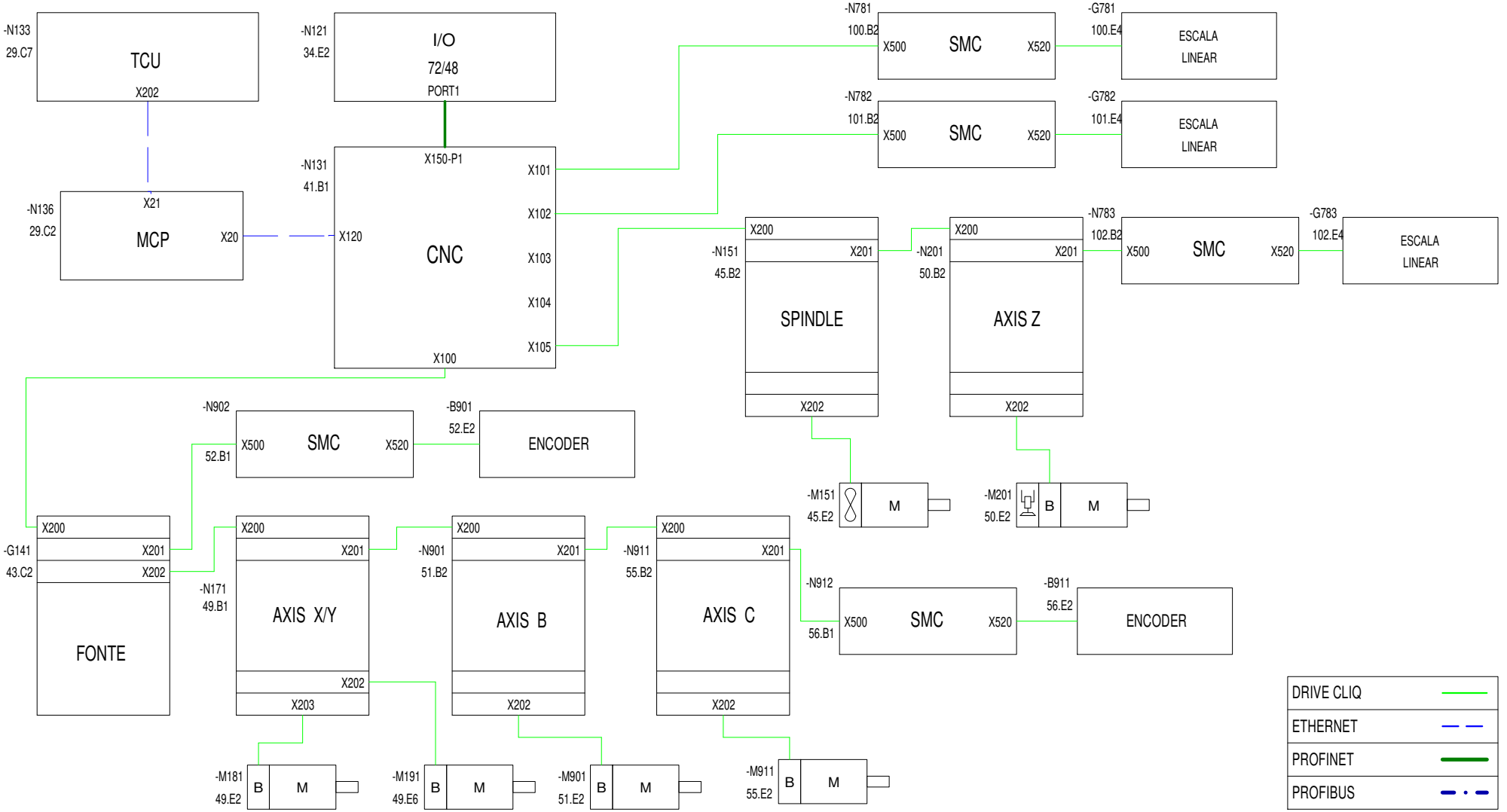
NOTE:

AL PARTS SUBJECT TO CONTACT AND CARRYING ELECTRICITY ARE ALSO CONNECTED TO THE GROUND BUS 6mm².

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION	GROUNDING LAYOUT			
ROMI®	DESIGNED	FERNANDO	11/09/2013	PROJECTION / SIZE A3
	DRAWER	ANDREW	11/09/2013	
	CONTROLLED	VILALTA	11/09/2013	
REFERENCE ROMI DCM	SHEET 115	SCALE	APPLICATION ROMI DCM 620-5X V3.0	N° U14186H



REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

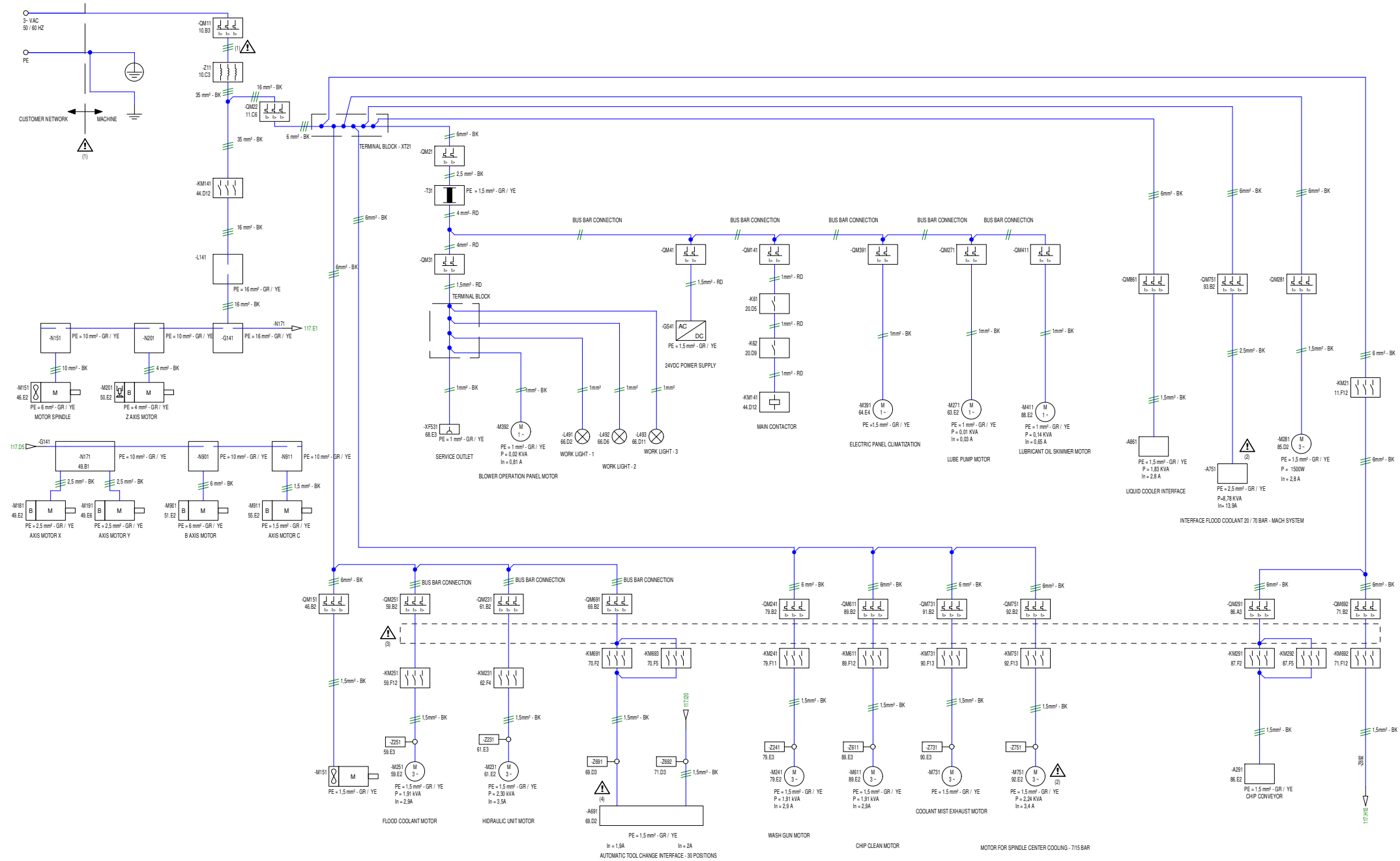
REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: UNIFILAR DIAGRAMS - REDES

ROMI®

DESIGNED	FERNANDO	29/11/2013	PROJECTION
DRAWER	ANDREW	29/11/2013	SIZE A3
CONTROLLED	VILALTA	29/11/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
	116		ROMI DCM 620 5F V3.0	U14186H



NOTE:

(1) FOR MORE DETAILS, REFER TO FEED CHART ON MAIN FEED TOPIC.

(2) SPINDLE CENTER COOLANT

PRESSURE - 7 BAR - P = 2,24 kVA

PRESSURE - 20 BAR - P = 6,00 kVA

(3) CIRCUIT BRAKER / CONTACTOR INTERCONNECTION

(4)AUTOMATIC TOOL CHANGE INTERFACE

CHANGE ARM MOTOR; - P = 1,12kVA

MAGAZINE MOTOR - P = 0,46 kVA

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION	UNIFILAR DIAGRAMS			
	DESIGNED	FERNANDO	11/09/2013	PROJECTION
ROMI®	DRAWER	ANDREW	11/09/2013	SIZE A2
	CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	CJ	APPLICATION	N°
ROMI DCM	117		ROMI DCM 620-5X V3.0	U14186H

I/O INTERFACE MODULE

X111 -N121	I/O MODULE

INPUT MAP

PIN	ADDRESS	LOCATION	DESCRIPTION
3	I000.0	16.E6	MACHINE POWER ON
4	I000.1	16.E9	EMERGENCY STOP LINE OK
5	I000.2	25.E12	BYPASS MACHINING GUARD DOOR ACTIVE
6	I000.3	26.E5	OPERATOR'S DOOR UNLOCK - 1 / 2
7	I000.4	26.E10	OPERATOR'S DOOR CLOSED - 1
8	I000.5	27.E10	OPERATOR'S DOOR CLOSED - 2
9	I000.6	28.E4	UNLOCKED MAGAZINE DOOR
10	I000.7	28.E10	CLOSED MAGAZINE DOOR
11	I001.0	32.E2	INCREMENT SELECTION
12	I001.1	32.E3	INCREMENT SELECTION
13	I001.2	32.E4	INCREMENT SELECTION
14	I001.3	32.E6	AXIS SELECTION
15	I001.4	32.E7	AXIS SELECTION
16	I001.5	32.E8	AXIS SELECTION
17	I001.6	32.E9	FORWARD (+)
18	I001.7	32.E10	ENABLE FAST
19	I002.0	32.E11	FORWARD (-)
20	I002.1	32.E12	ENABLES REMOTE MOVEMENT
21	I002.2	46.E7	MAIN SPINDLE FAN MOTOR OVERLOAD
22	I002.3	47.E1	TOOL UNLOCK BUTTON
23	I002.4	47.E7	TOOL UNCLAMPED SENSOR - SPINDLE
24	I002.5	47.E9	TOOL CLAMPED SENSOR - SPINDLE
25	I002.6	96.E6	TOP COVER MACHINING AREA CLOSED
26	I002.7	96.E5	TOP COVER MACHINING AREA OPEN

OUTPUT MAP

PIN	ADDRESS	LOCATION	DESCRIPTION
31	Q000.0	17.A1	ENABLE DRIVE CONTROL
32	Q000.1	17.A4	ENALE PULSE CONTROL
33	Q000.2	23.A8	ENABLE - SAFETY RELAY OPERATOR`S DOOR
34	Q000.3	24.A12	UNLOOK OPERATOR'S DOOR
35	Q000.4	25.A2	OP DOOR BYPASS
36	Q000.5	28.A12	UNLOCK MAGAZINE DOOR
37	Q000.6	40.A2	MACHINE POWER ON / CNC OK
38	Q000.7	47.A3	UNCLAMP TOOL - WORK LIGHT
39	Q001.0	48.A1	UNCLAMP TOOL
40	Q001.1	48.A4	TOOL CLEANING
41	Q001.2	54.A6	UNLOCK B AXIS SADDLE
42	Q001.3	57.A9	UNLOCK TABLE C AXIS
43	Q001.4	62.A1	HYDRAULIC UNIT
44	Q001.5	59.A10	COOLANT ON
45	Q001.6	63.A10	LUBE PUMP MOTOR ON
46	Q001.7	65.A2	WORK LIGHT

POWER SUPPLY

PIN	ADDRESS	LOCATION	DESCRIPTION
1	M	36.E3	
2	+24V		
27	-		
28	-		
29	-		
30	-		
47	DOCOM1		
48	DOCOM1		
49	DOCOM1		
50	DOCOM1		

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: INPUT / OUTPUT MAP

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	118		ROMI DCM 620-5X V3.0	U14186H

I/O INTERFACE MODULE

X222
-N121

I/O MODULE

INPUT MAP

PIN	ADDRESS	LOCATION	DESCRIPTION
3	I003.0	61.E12	PRESSURE SWITCH PRESSURE MIN. HYDRAULIC UNIT - SP1
4	I003.1		
5	I003.2	53.E3	PRESSURE SWITCH AXIS - B - LOCKED
6	I003.3	53.E6	SAFETY LIMIT FOR PATH (B+)
7	I003.4	53.E9	SAFETY LIMIT FOR PATH (B-)
8	I003.5	57.E3	PRESSURE SWITCH - AXIS C - LOCKED
9	I003.6	98.E4	BATTERY PROBE
10	I003.7	98.E5	ERROR PROBE
11	I004.0	61.E7	HYDRAULIC UNIT MOTOR OVERLOAD
12	I004.1	61.E10	PRESSURE SWITCH PRESSURE MAX. HYDRAULIC UNIT - SP2
13	I004.2	59.E6	COOLANT PUMP MOTOR OVERLOAD
14	I004.3	63.E6	LOW LUBE LEVEL
15	I004.4	63.E8	LOW LUB PRESSURE
16	I004.5	64.E10	ACCLIMATIZATION SUPERVISOR MICRO SWITCH
17	I004.6	69.E8	ATC MAGAZINE MOTOR OVERLOAD
18	I004.7	71.E7	CHANGE ARM MOTOR OVERLOAD
19	I005.0	72.E5	RETRACTED TOOL POCKET SENSOR
20	I005.1	72.E9	TOOL CUP SENSOR PROJECTED
21	I005.2	73.E6	HOME SENSOR MAGAZINE
22	I005.3	74.E3	SENSOR BRAKE CHANGE ARM
23	I005.4	73.E3	MAGAZINE POSITION COUNT SENSOR
24	I005.5	74.E12	ORIGIN POSITION ARM SENSOR
25	I005.6	74.E7	SENSOR BRAÇO POSITION PEGA TOOL
26	I005.7	72.E12	SENSOR MAGAZINE POSITION COUNT / BRAKE

OUTPUT MAP

PIN	ADDRESS	LOCATION	DESCRIPTION
31	Q002.0	67.A2	HOUR METER
32	Q002.1	69.A10	CLOCKWISE MAGAZINE
33	Q002.2	69.A12	COUNTERCLOCKWISE MAGAZINE
34	Q002.3	71.A10	ATC ARM
35	Q002.4	75.A1	TOOL POCKET FORWARD
36	Q002.5	75.A3	TOOL POCKET BACKWARD
37	Q002.6	75.A4	OPEN ATC DOOR
38	Q002.7	75.A5	CLOSE ATC DOOR
39	Q005.0	88.A9	LUBRICANT OIL SKIMMER
40	Q003.1	86.A9	CHIP CONVEYOR FWD
41	Q003.2	86.A12	CHIP CONVEYOR REV
42	Q003.3	79.A9	TURN ON WASH GUN MOTOR
43	Q003.4	62.A11	VALVE BY-PASS
44	Q003.5	62.A12	VÁLVULA PRESSURIZATION
45	Q003.6		
46	Q003.7	89.A10	TURN ON CHIP CLEAN MOTOR

POWER SUPPLY

PIN	ADDRESS	LOCATION	DESCRIPTION
1	M	37.E3	
2	+24V		
27	-		
28	-		
29	-		
30	-		
47	DOCOM2		
48	DOCOM2		
49	DOCOM2		
50	DOCOM2		

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: INPUT / OUTPUT MAP

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	119		ROMI DCM 620-5X V3.0	U14186H

I/O INTERFACE MODULE

X333
-N121

I/O MODULE

INPUT MAP

PIN	ADDRESS	LOCATION		DESCRIPTION	
3	I006.0	76.E2		CLOSED MAGAZINE DOOR	
4	I006.1	76.E5		DOOR MAGAZINE OPEN	
5	I006.2	76.E7		CLOCKWISE MAGAZINE	
6	I006.3	76.E10		COUNTERCLOCKWISE MAGAZINE	
7	I006.4	76.E12		AUTO/JOG MAGAZINE	
8	I006.5	84.E7		LIQUID COOLER INTERFACE - FAIL	
9	I006.6	78.E2		LOW PNEUMATIC PRESSURE SWITCH	
10	I006.7	78.E6		PRESSURE SWITCH PRESSURE TABLE AXIS B/C	
11	I007.0	85.E8		AIR CONDITIONER FAULT	
12	I007.1	86.E7		CHIP CONVEYOR MOTOR OVERLOAD	
13	I007.2	87.E11		CHIP CONVEYOR CLAMP SENSOR	
14	I007.3	60.E2		SWITCH NÍVEL MÁXIMO - FLOOD COOLANT	
15	I007.4	60.E5		SWITCH NÍVEL MÍNIMO - FLOOD COOLANT	
16	I007.5				
17	I007.6	89.E8		CHIP CLEAN FLOOD MOTOR OVERLOAD	
18	I007.7	90.E7		COOLANT MIST EXHAUST MOTOR OVERLOAD	
19	I008.0	92.E6	93.E11	OVERLOAD OF SPINDLE CENTER COOLING MOTOR	CRITICAL ALARM
20	I008.1	92.E8	93.E13	DIRTY FILTER PRESSURE SWITCH - 1	WARNING ALARM
21	I008.2	57.E2		PRESSURE SWITCH - AXIS C - PRESSURE	
22	I008.3	53.E2		PRESSURE SWITCH AXIS - B - PRESSURE	
23	I008.4	79.E6		WASH GUN MOTOR OVERLOAD	
24	I008.5	47.E12		TOOL SENSOR OK - SPINDLE	
25	I008.6	76.E9		BUTTON MAGAZINE OK	
26	I008.7				

OUTPUT MAP

PIN	ADDRESS	LOCATION		DESCRIPTION
31	Q004.0	90.A10		COOLANT MIST EXHAUST
32	Q004.1	92.A10	93.A7	SPINDLE CENTER COOLING
33	Q004.2	94.A1		MACHINE - CYCLE
34	Q004.3	94.A3		MACHINE - PRE ALARM
35	Q004.4	94.A5		MACHINE - EMERGENCY
36	Q004.5	95.A1		PNEUMATIC CLEANING
37	Q004.6	57.A5		LOCK TABLE C AXIS
38	Q004.7	54.A1		LOCK B AXIS SADDLE
39	Q005.0	97.A1		AUTO POWER OFF
40	Q005.1	98.A12		"M" CODE PROBE
41	Q005.2	99.A10		TOOL PRESET
42	Q005.3	96.A3		CLOSE DOOR TOP COVER MACHINING AREA
43	Q005.4	96.A2		OPEN DOOR TOP COVER MACHINING AREA
44	Q005.5	54.A10		RETENTION PRESSURE - B
45	Q005.6	58.A2		RETENTION PRESSURE - C
46	Q005.7	103.A12		TURN ON REMOTE DIAGNOSIS

POWER SUPPLY

PIN	ADDRESS	LOCATION	DESCRIPTION
1	M	38.E3	
2	+24V		
27	-		
28	-		
29	-		
30	-		
47	DOCOM3		
48	DOCOM3		
49	DOCOM3		
50	DOCOM3		

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: INPUT / OUTPUT MAP

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	120		ROMI DCM 620-5X V3.0	U14186H

X3

-N121

INPUT MAP ANALOG			
PIN	ADDRESS	LOCATION	DESCRIPTION
3 4	IW60	80.A4 82.A4	SENSOR MANCAL
7 8	IW62	80.A10 82.A10	SENSOR Z AXIS LINEAR SCALE SENSOR PORCA Z AXIS

OUTPUT MAP ANALOG			
PIN	ADDRESS	LOCATION	DESCRIPTION
9 10			
11 12			

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: INPUT / OUTPUT MAP

ROMI®

DESIGNED	FERNANDO	09/12/2016
DRAWER	ANDREW	09/12/2016
CONTROLLED	VILALTA	09/12/2016

PROJECTION

SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	
ROMI DCM	121		ROMI DCM 620-5X V3.0	N° U14186H

I/O INTERFACE MODULE

X111 -N122	I/O MODULE

INPUT MAP

PIN	ADDRESS	LOCATION	DESCRIPTION
3	I009.0		
4	I009.1		
5	I009.2		
6	I009.3		
7	I009.4		
8	I009.5		
9	I009.6		
10	I009.7		
11	I010.0		
12	I010.1		
13	I010.2		
14	I010.3		
15	I010.4		
16	I010.5		
17	I010.6		
18	I010.7		
19	I011.0		
20	I011.1		
21	I011.2		
22	I011.3		
23	I011.4		
24	I011.5		
25	I011.6		
26	I011.7		

OUTPUT MAP

PIN	ADDRESS	LOCATION	DESCRIPTION
31	Q006.0		
32	Q006.1		
33	Q006.2		
34	Q006.3		
35	Q006.4		
36	Q006.5		
37	Q006.6		
38	Q006.7		
39	Q007.0		
40	Q007.1		
41	Q007.2		
42	Q007.3		
43	Q007.4		
44	Q007.5		
45	Q007.6		
46	Q007.7		

POWER SUPPLY

PIN	ADDRESS	LOCATION	DESCRIPTION
1	M		
2	+24V		
27	-		
28	-		
29	-		
30	-		
47	DOCOM1		
48	DOCOM1		
49	DOCOM1		
50	DOCOM1		

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: INPUT / OUTPUT MAP

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	122		ROMI DCM 620-5X V3.0	U14186H

I/O INTERFACE MODULE

X222
-N122

I/O MODULE

INPUT MAP

PIN	ADDRESS	LOCATION	DESCRIPTION
3	I012.0		
4	I012.1		
5	I012.2		
6	I012.3		
7	I012.4		
8	I012.5		
9	I012.6		
10	I012.7		
11	I013.0		
12	I013.1		
13	I013.2		
14	I013.3		
15	I013.4		
16	I013.5		
17	I013.6		
18	I013.7		
19	I014.0		
20	I014.1		
21	I014.2		
22	I014.3		
23	I014.4		
24	I014.5		
25	I014.6		
26	I014.7		

OUTPUT MAP

PIN	ADDRESS	LOCATION	DESCRIPTION
31	Q008.0		
32	Q008.1		
33	Q008.2		
34	Q008.3		
35	Q008.4		
36	Q008.5		
37	Q008.6		
38	Q008.7		
39	Q009.0		
40	Q009.1		
41	Q009.2		
42	Q009.3		
43	Q009.4		
44	Q009.5		
45	Q009.6		
46	Q009.7		

POWER SUPPLY

PIN	ADDRESS	LOCATION	DESCRIPTION
1	M		
2	+24V		
27	-		
28	-		
29	-		
30	-		
47	DOCOM2		
48	DOCOM2		
49	DOCOM2		
50	DOCOM2		

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: INPUT / OUTPUT MAP

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	123		ROMI DCM 620-5X V3.0	U14186H

I/O INTERFACE MODULE

X333 -N122	I/O MODULE

INPUT MAP

PIN	ADDRESS	LOCATION	DESCRIPTION
3	I015.0		
4	I015.1		
5	I015.2		
6	I015.3		
7	I015.4		
8	I015.5		
9	I015.6		
10	I015.7		
11	I016.0		
12	I016.1		
13	I016.2		
14	I016.3		
15	I016.4		
16	I016.5		
17	I016.6		
18	I016.7		
19	I017.0		
20	I017.1		
21	I017.2		
22	I017.3		
23	I017.4		
24	I017.5		
25	I017.6		
26	I017.7		

OUTPUT MAP

PIN	ADDRESS	LOCATION	DESCRIPTION
31	Q010.0		
32	Q010.1		
33	Q010.2		
34	Q010.3		
35	Q010.4		
36	Q010.5		
37	Q010.6		
38	Q010.7		
39	Q011.0		
40	Q011.1		
41	Q011.2		
42	Q011.3		
43	Q011.4		
44	Q011.5		
45	Q011.6		
46	Q011.7		

POWER SUPPLY

PIN	ADDRESS	LOCATION	DESCRIPTION
1	M		
2	+24V		
27	-		
28	-		
29	-		
30	-		
47	DOCOM3		
48	DOCOM3		
49	DOCOM3		
50	DOCOM3		

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: INPUT / OUTPUT MAP

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	124		ROMI DCM 620-5X V3.0	U14186H

X3

-N122

INPUT MAP ANALOG			
PIN	ADDRESS	LOCATION	DESCRIPTION
3 4	IW68	81.A4 83.A4	SENSOR ROLAMENTO
7 8	IW70	81.A10 83.A10	SENSOR BASE

OUTPUT MAP ANALOG			
PIN	ADDRESS	LOCATION	DESCRIPTION
9 10			
11 12			

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: INPUT / OUTPUT MAP

ROMI®

DESIGNED	FERNANDO	09/12/2016	PROJECTION
DRAWER	ANDREW	09/12/2016	SIZE A3
CONTROLLED	VILALTA	09/12/2016	

REFERENCE	SHEET	SCALE	APPLICATION	
ROMI DCM	125		ROMI DCM 620-5X V3.0	N° U14186H

INPUT MAP / OUTPUT MAP - OPERATOR'S PANEL

-N136 — INPUT / OUTPUT MAP - OPERATOR'S PANEL

INPUT MAP

PIN	ADDRESS	LOCATION	DESCRIPTION
CONNECTOR - X51			
1	I37.0	30.E2	CYCLE STOP BUTTON
2	I37.1	30.E4	CYCLE START BUTTON
3	I37.2	30.E8	ENABLE REMOTE OPERATION PANEL
CONNECTOR - X52			
1	I37.3	30.E12	SETUP MODE
2	I37.4	24.E2	OPEN DOOR - OPERATOR`S DOOR
3	I37.5	30.E6	BUTTON ACCEPTANCE JOG MOTION
CONNECTOR - X55			
1	I37.6		
2	I37.7		
3	I38.0		
POWER SUPPLY - CONNECTOR - X51/X52/X55			
4	M	31.E9	USUAL
4	M		
4	M		

OUTPUT MAP

PIN	ADDRESS	LOCATION	DESCRIPTION
CONNECTOR - X53			
1	Q25.0	24.A7	DOOR OPENED - OPERATOR`S DOOR
2	Q25.1	31.A2	CYCLE STOP
3	Q25.2	31.A5	CYCLE START
CONNECTOR - X54			
1	Q25.3	31.A7	ACCEPTANCE JOG MOTION
2			
3			
POWER SUPPLY - CONNECTOR - X53/X54			
4	M	31.A12	USUAL
4	M		

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: INPUT / OUTPUT MAP - OPERATOR'S PANEL

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	
ROMI DCM	126		ROMI DCM 620-5X V3.0	N° U14186H

DESCRIPTION

THIS MACHINE IS EQUIPPED WITH LAST GENERATION ELECTRONIC DEVICES TO EXECUTE AXES CONTROL AND OPERATION.

THESE DEVICES ARE CALLED CNC AND DRIVES. FOR BETTER AXES PERFORMANCE AND ACCURACY, THERE ARE SEVERAL CONFIGURATION PARAMETERS DESCRIBED AND SPECIFIED IN THE CNC AND/OR DRIVES MANUFACTURER'S MANUALS.

ALL THESE PARAMETERS ARE SPECIFIED AND CONTROLLED BY THE ROMI PRODUCT ENGINEERING DEPARTMENT. NO CHANGES ARE ALLOWED WITHOUT ROMI AUTHORIZATION.

ANY IMPROPER PARAMETER CHANGE MAY CAUSE SEVERE DAMAGE TO THE MACHINE PERFORMANCE AND INTEGRITY.

RECOMMENDATIONS

IF THE INTRODUCTION OF ANY PARAMETER IS REQUIRED, USE THE DISKETTE IDENTIFIED WITH THE RESPECTIVE CODE NUMBER.

IN THE EVENT OF MANUAL PARAMETERS INTRODUCTION, CAREFULLY FOLLOW THE PARAMETERS LISTED/DESCRIBED IN THE LOG BOOK.

NEGLECTING THIS RECOMMENDATION MAY CAUSE SEVERE MACHINE DAMAGE.

PREFERABLY, CALL A ROMI TECHNICIAN TO MANUALLY INTRODUCE PARAMETERS.

BACKUP

INSIDE THE ELECTRIC CABINET OF ALL ROMI MACHINE THERE IS A LABELED PORTFOLIO SUCH AS A LOG BOOK THAT SHOULD BE USED FOR RECORDING ALL MACHINE MAINTENANCE INTERVENTION, REPAIRS, UP-DATES, ETC.

IN THIS FOLDER THERE IS ALSO A SET OF DISKETTES WITH BACKUP FILES INSTALLED IN THE MACHINE: PARAMETERS AND LADDER.

THE FILES MAY BE CHANGED BY ROMI WITHOUT PREVIOUS NOTICE.

ATTENTION

ROMI SHALL NOT BE RESPONSIBLE FOR DAMAGES CAUSED TO THE MACHINE IN CASE PARAMETERS ARE CHANGED BY UNAUTHORIZED PERSONNEL.

ONLY AUTHORIZED AND TRAINED PERSONNEL IS ALLOWED TO PERFORM MACHINE MAINTENANCE, INSPECTION OR PARTS REPLACEMENT.

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: PARAMETER

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION

SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	127		ROMI DCM 620-5X V3.0	U14186H

APPLICATION

LADDER	U52689
MACHINE PARAMETERS	U52690
LADDER	*U13852
MACHINE PARAMETERS	*U13853
OEM	U13854
SIEMENS EXECUTIVE SW	U40640

(1)

(1) END OF EFFECTIVENESS U13852 / U13853 CHANGE MACHINE TABLE

	ROMI DCM 620-5X V3.0		
COMPOSITION	**ADDITION**	**REMARK:**	**PARAMETER**
WASH GUN	1		14510[0]
AIR CONDITIONER	2		
CHIP CONVEYOR INTERFACE	4		
LUBRICANT OIL SKIMMER	8		
CODE M INTERFACE - EXTERNAL	16		
CHIP CLEAN	32		
TOOL PRESET	64		
HELICAL CHIP CONVEYOR	128		
COOLANT MIST EXHAUST	256		
SPINDLE CENTER COOLING - 7 BAR	512		
SPINDLE CENTER COOLING - 20/70 BAR	1024		
STATUS INDICATOR	2048		
PNEUMATIC CLEANING	4096		
AUTO POWER OFF	8192		
LINEAR SCALES (X AXIS) / Y / Z	1		14510[1]
AUTOMATIC DOOR	2		
MESASUREMENT SYSTEM / PARTS INSPECTION	4		
TOP COVER MACHINING AREA	8		

PARÂMETROS LINEAR SCALE - HABILITAR		
PARAMETER	**AXIS**	**VALUE**
30200	X	2
30200	Y	2
30200	Z	2

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: PARAMETER

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	128		ROMI DCM 620-5X V3.0	U14186H

-XT21

TERMINAL SPREADSHEET LIST

POTENTIAL	TERMINAL	JUMPER	DEVICE	LOCATION
1L1 - 380V~	1A		-QM22 :2	11.C1
1L1 - 380V~	1B		-QM751 :2	11.C1
1L1 - 380V~	1C	●	-KM21 :1	11.C1
1L1 - 380V~	2A		-QM21 :1	11.C1
1L1 - 380V~	2B	●	-QM151 :1	11.C1
1L1 - 380V~	2C	●	-QM281 :1	11.C1
1L1 - 380V~	3A		-QM861 :1	11.C2
1L1 - 380V~	3B	●	-QM241 :1	11.C2
1L1 - 380V~	3C			11.C2
1L2 - 380V~	4A		-QM22 :4	11.C2
1L2 - 380V~	4B		-QM751 :4	11.C2
1L2 - 380V~	4C	●	-KM21 :3	11.C2
1L2 - 380V~	5A		-QM21 :3	11.C3
1L2 - 380V~	5B	●	-QM151 :3	11.C3
1L2 - 380V~	5C	●	-QM281 :3	11.C3
1L2 - 380V~	6A		-QM861 :3	11.C3
1L2 - 380V~	6B	●	-QM241 :3	11.C3
1L2 - 380V~	6C			11.C3
1L3 - 380V~	7A		-QM22 :6	11.C4
1L3 - 380V~	7B		-QM751 :6	11.C4
1L3 - 380V~	7C	●	-KM21 :5	11.C4
1L3 - 380V~	8A			11.C4
1L3 - 380V~	8B	●	-QM151 :5	11.C4
1L3 - 380V~	8C	●	-QM281 :5	11.C4
1L3 - 380V~	9A		-QM861 :5	11.C5
1L3 - 380V~	9B	●	-QM241 :5	11.C5
1L3 - 380V~	9C			11.C5

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION | ADDITIONAL INFORMATION

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	129		ROMI DCM 620-5X V3.0	U14186H

-XT31

TERMINAL SPREADSHEET LIST

POTENTIAL	TERMINAL	JUMPER	DEVICE	LOCATION
3L1 - 0V~	1A		-QM31 :2	12.C10
3L1 - 0V~	1B			12.C10
3L1 - 0V~	1C		-XF531 :220V	12.C10
3L1 - 0V~	1D	●		12.C10
3L1 - 0V~	2A	|	-K492 :5	12.C10
3L1 - 0V~	2B	●		12.C10
3L1 - 0V~	2C			12.C10
3L1 - 0V~	2D			12.C10
3L2 - 220V~	3A		-QM31 :4	12.C11
3L2 - 220V~	3B			12.C11
3L2 - 220V~	3C		-XF531 :220V	12.C11
3L2 - 220V~	3D	●		12.C11
3L2 - 220V~	4A	|	-K492 :8	12.C12
3L2 - 220V~	4B	●		12.C12
3L2 - 220V~	4C			12.C12
3L2 - 220V~	4D			12.C12

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION | ADDITIONAL INFORMATION

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	
ROMI DCM	130		ROMI DCM 620-5X V3.0	N° U14186H

-XT41 TERMINAL SPREADSHEET LIST

POTENTIAL	TERMINAL	JUMPER	DEVICE	LOCATION
50L+ - 24V--	1A		-GS41 :+	14.C2
50L+ - 24V--	1B		-SB51 :13	14.C2
50L+ - 24V--	1C		-XFJ :3	14.C2
50L+ - 24V--	1D	●	-S1051 :3	14.C2
50L+ - 24V--	2A		-XFA :1	14.C2
50L+ - 24V--	2B	●	-K51 :8	14.C2
50L+ - 24V--	2C		-XFJ :1	14.C2
50L+ - 24V--	2D	●	-XFL :3	14.C2
50L+ - 24V--	3A			14.C2
50L+ - 24V--	3B	●	-XFN :5	14.C2
50L+ - 24V--	3C		-XT11 :1	14.C2
50L+ - 24V--	3D	●	-K131 :8	14.C2
50L+ - 24V--	4A			14.C3
50L+ - 24V--	4B	●	-F61 :A1	14.C3
50L+ - 24V--	4C		-XFN :1	14.C3
50L+ - 24V--	4D	●		14.C3
50L+ - 24V--	5A		-XFA :1	14.C3
50L+ - 24V--	5B	●	-SB692 :13	14.C3
50L+ - 24V--	5C		-XFQ :7	14.C3
50L+ - 24V--			-XFQ :7	14.C3
50L+ - 24V--	5D	●	-XFA :1	14.C3
50L+ - 24V--	6A		-KA62 :A1	14.C3
50L+ - 24V--			-KA62 :A1	14.C3
50L+ - 24V--	6B	●	-XFQ :1	14.C3
50L+ - 24V--	6C		-XFQ :1	14.C3
50L+ - 24V--	6D	●	-F81 :A1	14.C3
50L+ - 24V--	7A		-XF524 :1	14.C4
50L+ - 24V--	7B	●	-KM141 :13	14.C4
50L+ - 24V--	7C		-KA61 :03	14.C4
50L+ - 24V--			-F61 :A1	14.C4
50L+ - 24V--	7D	●	-XFN :1	14.C4
50L+ - 24V--	8A		-S231 :1	14.C4
50L+ - 24V--	8B	●	-F61 :33	14.C4
50L+ - 24V--			-F61 :33	14.C4
50L+ - 24V--	8C		-S153 :	14.C4
50L+ - 24V--	8D	●	-XFP :1	14.C4
50L+ - 24V--	9A		-XFL :1	14.C4

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION | ADDITIONAL INFORMATION

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE A3

REFERENCE	SHEET	SCALE	APPLICATION	N°
ROMI DCM	131		ROMI DCM 620-5X V3.0	U14186H

-XT41

TERMINAL SPREADSHEET LIST

POTENTIAL	TERMINAL	JUMPER	DEVICE	LOCATION
50L+ - 24V--	9B	●	-KM691 :13	14.C4
50L+ - 24V--	9C		-XT81 :4A	14.C4
50L+ - 24V--	9D	●	-XFL :5	14.C4
50L+ - 24V--	10A		-XT81 :9A	14.C5
50L+ - 24V--	10B	●	-XFP :3	14.C5
50L+ - 24V--	10C			14.C5
50L+ - 24V--	10D	●	-XFN :3	14.C5
50L+ - 24V--	11A		-A861 :11	14.C5
50L+ - 24V--	11B	●	-XFP :5	14.C5
50L+ - 24V--	11C		-XM173 :11	14.C5
50L+ - 24V--	11D	●	-XFQ :3	14.C5
50L+ - 24V--	12A		-XFP :5	14.C6
50L+ - 24V--	12B	●	-XFN :5	14.C6
50L+ - 24V--	12C		-XFJ :3	14.C6
50L+ - 24V--	12D	●	-M281 :4	14.C6
50L+ - 24V--	13A		-XFQ :1	14.C6
50L+ - 24V--	13B	●	-XF292 :5	14.C6
50L+ - 24V--	13C		-XFQ :7	14.C6
50L+ - 24V--	13D	●	-XFP :1	14.C6
50L+ - 24V--	14A		-QM241 :21	14.C6
50L+ - 24V--	14B	●	-XFJ :3	14.C6
50L+ - 24V--	14C		-S691 :13	14.C6
50L+ - 24V--	14D	●	-XF753 :3	14.C6
50L+ - 24V--	15A		-SB131 :13	14.C7
50L+ - 24V--	15B	●	-XFJ :3	14.C7
50L+ - 24V--	15C		-K131 :7	14.C7
50L+ - 24V--	15D	●	-XFJ :5	14.C7
50L+ - 24V--	16A		-X24 :+	14.C7
50L+ - 24V--	16B	●	-XFL :5	14.C7
50L+ - 24V--	16C			14.C7
50L+ - 24V--	16D	●	-XFN :1	14.C7
50L+ - 24V--	17A		-S111 :13	14.C7
50L+ - 24V--	17B	●	-K131 :5	14.C7
50L+ - 24V--	17C		-S692 :13	14.C7
50L+ - 24V--	17D	●	-XF252 :1	14.C7
50L+ - 24V--	18A		-A831 :RED	14.C8
50L+ - 24V--	18B	●	-F81 :33	14.C8

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION | ADDITIONAL INFORMATION

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	132		ROMI DCM 620-5X V3.0	U14186H

-XT41

TERMINAL SPREADSHEET LIST

POTENTIAL	TERMINAL	JUMPER	DEVICE	LOCATION
50L+ - 24V--	18C		-XFP :1	14.C8
50L+ - 24V--	18D		-XFN :3	14.C8
50L+ - 24V--	19A		:TURQUOISE_BLACK	14.C8
50L+ - 24V--	19B		-XF252 :4	14.C8
50L+ - 24V--	19C		-XFP :3	14.C8
50L+ - 24V--	19D		-KM692 :13	14.C8
50L+ - 24V--	20A		-A867 :7	14.C8
50L+ - 24V--	20B		-XFQ :3	14.C8
50L+ - 24V--	20C		-GS41 :+	14.C8
50L+ - 24V--	20D		-XFQ :5	14.C8

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION | ADDITIONAL INFORMATION

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	133		ROMI DCM 620-5X V3.0	U14186H

-XT42 TERMINAL SPREADSHEET LIST

POTENTIAL	TERMINAL	JUMPER	DEVICE	LOCATION
50L- - 0V--	21A		-GS41 :-	15.C2
50L- - 0V--	21B		-K412 :13	15.C2
50L- - 0V--	21C		-Y231 :2	15.C2
50L- - 0V--	21D	●	-XT81 :2B	15.C2
50L- - 0V--	22A	|		15.C2
50L- - 0V--	22B	●	-Y694 :2	15.C2
50L- - 0V--	22C		-XFA :2	15.C2
50L- - 0V--	22D	●	-K51 :13	15.C2
50L- - 0V--	23A	|	-K84 :13	15.C2
50L- - 0V--	23B	●	-F61 :A2	15.C2
50L- - 0V--			-F61 :A2	15.C2
50L- - 0V--	23C		-XFA :2	15.C2
50L- - 0V--	23D	●	-F81 :A2	15.C2
50L- - 0V--	24A	|	-Y111 :2	15.C3
50L- - 0V--	24B	●		15.C3
50L- - 0V--	24C		-Y232 :2	15.C3
50L- - 0V--	24D	●	-Y902 :2	15.C3
50L- - 0V--	25A	|	-Y151 :2	15.C3
50L- - 0V--	25B	●		15.C3
50L- - 0V--	25C		-Y152 :2	15.C3
50L- - 0V--	25D	●	-Y901 :2	15.C3
50L- - 0V--	26A	|	-KA61 :A2	15.C3
50L- - 0V--		|	-KA61 :A2	15.C3
50L- - 0V--	26B	●	-S231 :3	15.C3
50L- - 0V--	26C			15.C3
50L- - 0V--	26D	●	-XFA :2	15.C3
50L- - 0V--	27A	|	-QM691 :14	15.C4
50L- - 0V--	27B	●	-Y692 :2	15.C4
50L- - 0V--	27C		-KM21 :A2	15.C4
50L- - 0V--	27D	●	-Y911 :2	15.C4
50L- - 0V--	28A	|		15.C4
50L- - 0V--	28B	●	-XF754 :2	15.C4
50L- - 0V--	28C		-Y912 :2	15.C4
50L- - 0V--	28D	●	-Y691 :2	15.C4
50L- - 0V--	29A	|	-S153 :	15.C4
50L- - 0V--	29B	●	-KM751 :A2	15.C4
50L- - 0V--	29C			15.C4

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION | ADDITIONAL INFORMATION

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	N°
ROMI DCM	134		ROMI DCM 620-5X V3.0	U14186H

-XT42

TERMINAL SPREADSHEET LIST

POTENTIAL	TERMINAL	JUMPER	DEVICE	LOCATION
50L- - 0V--	29D			15.C4
50L- - 0V--	30A			15.C5
50L- - 0V--	30B			15.C5
50L- - 0V--	30C		-SB51 :-	15.C5
50L- - 0V--	30D		-Y693 :2	15.C5
50L- - 0V--	31A		-K141 :5	15.C5
50L- - 0V--	31B		-X24 :-	15.C5
50L- - 0V--	31C			15.C5
50L- - 0V--	31D		-XF524 :2	15.C5
50L- - 0V--	32A			15.C6
50L- - 0V--	32B			15.C6
50L- - 0V--	32C		-A831 :BLACK	15.C6
50L- - 0V--	32D		-N541 :0V	15.C6
50L- - 0V--			-N541 :0V	15.C6
50L- - 0V--	33A		-A867 :14	15.C6
50L- - 0V--	33B			15.C6
50L- - 0V--	33C		-Y903 :	15.C6
50L- - 0V--	33D			15.C6
50L- - 0V--	34A			15.C6
50L- - 0V--	34B			15.C6
50L- - 0V--	34C		-Y913 :	15.C6
50L- - 0V--	34D			15.C6
50L- - 0V--	35A			15.C7
50L- - 0V--	35B			15.C7
50L- - 0V--	35C		-GS41 :-	15.C7
50L- - 0V--	35D			15.C7

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION | ADDITIONAL INFORMATION

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	135		ROMI DCM 620-5X V3.0	U14186H

-XT61

TERMINAL SPREADSHEET LIST

POTENTIAL	TERMINAL	JUMPER	DEVICE	LOCATION
CANAL 1	1A		-SB61 :12	21.D2
CANAL 1	1B		-XM173 :12	21.D2
CANAL 1	1C			21.D2
CANAL 1	1D			21.D2
CANAL 1	2A		-XM173 :14	21.D4
CANAL 1	2B		-XF292 :7	21.D4
CANAL 1	2C			21.D4
CANAL 1	2D			21.D4
CANAL 1	3A		-XF292 :10	21.D6
CANAL 1	3B		-SB691 :11	21.D6
CANAL 1	3C			21.D6
CANAL 1	3D			21.D6
CANAL 1	4A		-SB691 :12	21.D8
CANAL 1	4B		-F61 :S13	21.D8
CANAL 1			-F61 :S13	21.D8
CANAL 1	4C			21.D8
CANAL 1	4D			21.D8
CANAL 2	5A		-SB61 :22	21.D2
CANAL 2	5B		-XM173 :13	21.D2
CANAL 2	5C			21.D2
CANAL 2	5D			21.D2
CANAL 2	6A		-XM173 :15	21.D4
CANAL 2	6B		-XF292 :9	21.D4
CANAL 2	6C			21.D4
CANAL 2	6D			21.D4
CANAL 2	7A		-XF292 :8	21.D6
CANAL 2	7B		-SB691 :21	21.D6
CANAL 2	7C			21.D6
CANAL 2	7D			21.D6
CANAL 2	8A		-SB691 :22	21.D9
CANAL 2	8B		-F61 :S12	21.D9
CANAL 2			-F61 :S12	21.D9
CANAL 2	8C			21.D9
CANAL 2	8D			21.D9

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION | ADDITIONAL INFORMATION

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	136		ROMI DCM 620-5X V3.0	U14186H

-XT81 TERMINAL SPREADSHEET LIST

POTENTIAL	TERMINAL	JUMPER	DEVICE	LOCATION
50L+ - 24V--	1A		-XFL :2	26.B3
50L+ - 24V--	1B		-S81 :E1	26.B3
50L+ - 24V--	1C		-S82 :E1	26.B3
50L+ - 24V--	1D			26.B3
50L- - 0V--	2A		-S81 :E2	26.D3
50L- - 0V--	2B		-XT42 :21D	26.D3
50L- - 0V--	2C			26.D3
50L- - 0V--	2D		-S82 :E2	26.D3
LASER OK	3A		-S81 :34	26.D4
LASER OK	3B		-S82 :34	26.D4
LASER OK	3C			26.D4
LASER OK	3D		-XFF :4	26.D4
50L+ - 24V--	4A		-XT41 :9C	26.B4
50L+ - 24V--	4B		-S81 :33	26.B4
50L+ - 24V--	4C		-S82 :33	26.B4
50L+ - 24V--	4D			26.B4
CANAL 1	5A		-S81 :42	27.B6
CANAL 1	5B		-S82 :41	27.B6
CANAL 1	5C			27.B6
CANAL 1	5D			27.B6
CANAL 2	6A		-S81 :22	27.B8
CANAL 2	6B		-S82 :21	27.B8
CANAL 2	6C			27.B8
CANAL 2	6D			27.B8
CANAL 1	7A		-S82 :42	27.D6
CANAL 1	7B		-F81 :S13	27.D6
CANAL 1	7C		-K85 :10	27.D6
CANAL 1	7D			27.D6
CANAL 2	8A		-S82 :22	27.D8
CANAL 2	8B		-F81 :S12	27.D8
CANAL 2	8C		-K85 :11	27.D8
CANAL 2	8D			27.D8
50L+ - 24V--	9A		-XT41 :10A	26.B10
50L+ - 24V--	9B		-S81 :11	26.B10
50L+ - 24V--	9C		-S82 :11	26.B10
50L+ - 24V--	9D			26.B10
CANAL 1	10A		-F81 :S10	26.B6

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION | ADDITIONAL INFORMATION

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE A3

REFERENCE	SHEET	SCALE	APPLICATION	N°
ROMI DCM	137		ROMI DCM 620-5X V3.0	U14186H

-XT81 TERMINAL SPREADSHEET LIST

POTENTIAL	TERMINAL	JUMPER	DEVICE	LOCATION
CANAL 1	10B		-S81 :41	26.B6
CANAL 1	10C			26.B6
CANAL 1	10D		-K85 :6	26.B6
CANAL 2	11A		-F81 :S14	26.B8
CANAL 2	11B		-S81 :21	26.B8
CANAL 2	11C			26.B8
CANAL 2	11D		-K85 :7	26.B8

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION | ADDITIONAL INFORMATION

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE A3

REFERENCE	SHEET	SCALE	APPLICATION	
ROMI DCM	138		ROMI DCM 620-5X V3.0	N° U14186H

-XT131

TERMINAL SPREADSHEET LIST

POTENTIAL	TERMINAL	JUMPER	DEVICE	LOCATION
	1A		-XFJ :2	17.E8
	1B			17.E8
	1C			17.E8
	1D			17.E8
	2A		-KA62 :24	17.E10
	2B			17.E10
	2C			17.E10
	2D			17.E10

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION | ADDITIONAL INFORMATION

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE A3

REFERENCE	SHEET	SCALE	APPLICATION	
ROMI DCM	139		ROMI DCM 620-5X V3.0	N° U14186H

SYMBOL	POSITION SCHEME	FUNCTION / DESCRIPTION OF PARTS	SUPPLIER CODE	SUPPLIER	ROMI CODE	APPLICATION	
						MACHINE	TYPE
-A121	36.B3	I/O INTERFACE MODULE	5514685	PHOENIX	T11705	ROMI DCM 620 5X V3.0	X
-A122	37.B3	I/O INTERFACE MODULE	5514685	PHOENIX	T11705	ROMI DCM 620 5X V3.0	X
	91.A12	I/O INTERFACE MODULE	5514685	PHOENIX	T11705	ROMI DCM 620 5X V3.0	X
-A123	38.B3	I/O INTERFACE MODULE	5514685	PHOENIX	T11705	ROMI DCM 620 5X V3.0	X
	91.B12	I/O INTERFACE MODULE	5514685	PHOENIX	T11705	ROMI DCM 620 5X V3.0	X
	91.D7	I/O INTERFACE MODULE	5514685	PHOENIX	T11705	ROMI DCM 620 5X V3.0	X
-A291	86.E2	CHIP CONVEYOR MOTOR	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	O
-A691	69.D2	AUTOMATIC TOOL CHANGE INTERFACE - 30 POSITIONS	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-A751	93.E2	INTERFACE FLOOD COOLANT 20 / 70 BAR - MACH SYSTEM	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	O
-A831	98.C2	INTERFACE MODULE RMI	A-4113-0050	Renishaw	T65944	ROMI DCM 620 5X V3.0	O
-A861	84.E2	LIQUID COOLER INTERFACE	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-A867	99.B2	TOOL PRESET		Renishaw	NC4	ROMI DCM 620 5X V3.0	O
-B901	52.E2	B AXIS ENCODER	-	SEE MECHANICAL PARTS LIST	T73609	ROMI DCM 620 5X V3.0	X
-B911	56.E2	ENCODER - C	-	SEE MECHANICAL PARTS LIST	T73609	ROMI DCM 620 5X V3.0	X
-C391	64.D4	PANEL BLOWER MOTOR CAPACITOR	EN 60252	EBM	S41741	ROMI DCM 620 5X V3.0	X
-F61		SAFETY RELAY	085613	EUCHNER	S97432	ROMI DCM 620 5X V3.0	X
	18.B2	SAFETY RELAY	085613	EUCHNER	S97432	ROMI DCM 620 5X V3.0	X
	19.B1	SAFETY RELAY	085613	EUCHNER	S97432	ROMI DCM 620 5X V3.0	X
-F81	22.B2	SAFETY RELAY - OPERATOR`S DOOR	085613	EUCHNER	S97432	ROMI DCM 620 5X V3.0	X
-G141	43.C2	POWER SUPPLY	6SL3131-7TE23-6AA3	SIEMENS	T36755	ROMI DCM 620 5X V3.0	X
-G781	100.E4	LINEAR SCALE - X	VER CATÁLOGO DE PEÇAS	-	-	ROMI DCM 620 5X V3.0	O
-G782	101.E4	LINEAR SCALE - Y	VER CATÁLOGO DE PEÇAS	-	-	ROMI DCM 620 5X V3.0	O
-G783	102.E4	LINEAR SCALE - Z	VER CATÁLOGO DE PEÇAS	-	-	ROMI DCM 620 5X V3.0	O
-GS41	13.C2	24VDC POWER SUPPLY	6EP1336-3BA00	SIEMENS	S78275	ROMI DCM 620 5X V3.0	X
-H511	67.E5	HOUR METER	R68403	ROMI	R68403	ROMI DCM 620 5X V3.0	X
-H801	94.D8	STATUS INDICATOR	JSL-T-1-24V RYG	JARRER CO. LTD	T70493	ROMI DCM 620 5X V3.0	O
-K51		BASE RELAY	PYF14A-E	OMRON	S09158	ROMI DCM 620 5X V3.0	X
		MACHINE STARTING RELAY	MY4N-D2-DC24	OMRON	S09157	ROMI DCM 620 5X V3.0	X
	16.D2	BASE RELAY	PYF14A-E	OMRON	S09158	ROMI DCM 620 5X V3.0	X
	16.F2	MACHINE STARTING RELAY	MY4N-D2-DC24	OMRON	S09157	ROMI DCM 620 5X V3.0	X
	19.A4	BASE RELAY	PYF14A-E	OMRON	S09158	ROMI DCM 620 5X V3.0	X
		MACHINE STARTING RELAY	MY4N-D2-DC24	OMRON	S09157	ROMI DCM 620 5X V3.0	X
-K52		BASE RELAY	PYF08A-E	OMRON	S09156	ROMI DCM 620 5X V3.0	X
		MACHINE POWER ON / CNC OK	MY2N-D2-DC24	OMRON	S09155	ROMI DCM 620 5X V3.0	X
	19.D8	BASE RELAY	PYF08A-E	OMRON	S09156	ROMI DCM 620 5X V3.0	X
		MACHINE POWER ON / CNC OK	MY2N-D2-DC24	OMRON	S09155	ROMI DCM 620 5X V3.0	X
	40.D6	BASE RELAY	PYF08A-E	OMRON	S09156	ROMI DCM 620 5X V3.0	X
	40.F6	MACHINE POWER ON / CNC OK	MY2N-D2-DC24	OMRON	S09155	ROMI DCM 620 5X V3.0	X
-K53	40.E2	MACHINE STARTING RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	X
-K61	18.E6	TIMING RELAY - 1 (10s)	RE22R1MKMR	SCHNEIDER	U46968	ROMI DCM 620 5X V3.0	*
	44.B12	TIMING RELAY - 1 SCALE = (20s) - TIME = (10s)	80.41.0.240.0000	FINDER COMPONENTES LTDA	U61291	ROMI DCM 620 5X V3.0	X

CONFIGURAÇÃO X = STANDARD O = OPCIONAL V = VARIANTE E = ESPECIAL * = FIM DE EFETIVIDADE

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: FUNCTION / DESCRIPTION OF PARTS

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	140		ROMI DCM 620-5X V3.0	U14186H

SYMBOL	POSITION SCHEME	FUNCTION / DESCRIPTION OF PARTS	SUPPLIER CODE	SUPPLIER	ROMI CODE	APPLICATION	
						MACHINE	TYPE
-K62	18.E12	TIMING RELAY - 2 (10s)	RE22R1MKMR	SCHNEIDER	U46968	ROMI DCM 620 5X V3.0	*
	44.C12	TIMING RELAY - 2 SCALE = (20s) - TIME = (10s)	80.41.0.240.0000	FINDER COMPONENTES LTDA	U61291	ROMI DCM 620 5X V3.0	X
-K63	17.E1	COMMAND RELAY ON	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	X
-K64	17.E4	RELAY ENABLES PULSE	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	X
-K81	23.E8	SAFETY RELAY OPERATOR`S DOOR	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	X
-K82	24.E11	UNLOCK OPERATOR'S DOOR	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	X
-K83	25.E1	OPERATOR'S DOOR BY PASS RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	X
-K84	23.D11	BASE RELAY AUXILIAR TRAVA PALLET	PYF08A-E	OMRON	S09156	ROMI DCM 620 5X V3.0	X
	23.F11	AUXILIARY RELAY - OPERATOR`S DOOR	MY2N-D2-DC24	OMRON	S09155	ROMI DCM 620 5X V3.0	X
-K85	25.D7	BASE RELAY	PYF14A-E	OMRON	S09158	ROMI DCM 620 5X V3.0	X
	25.F7	OPERATOR'S DOOR BY PASS RELAY	MY4N-D2-DC24	OMRON	S09157	ROMI DCM 620 5X V3.0	X
-K101	28.E12	UNLOCK MAINTENANCE DOOR MAGAZINE RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	X
-K111	96.E1	RELAY - OPERATOR OPEN AUTOMATIC DOOR	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	O
-K112	96.E3	RELAY - OPERATOR CLOSE AUTOMATIC DOOR	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	O
-K131	39.D2	BASE RELAY	PYF14A-E	OMRON	S09158	ROMI DCM 620 5X V3.0	X
	39.F2	CNC ON RELAY	MY4N-D2-DC24	OMRON	S09157	ROMI DCM 620 5X V3.0	X
-K141	44.D9	BASE RELAY	P7TF-05	OMRON	S07954	ROMI DCM 620 5X V3.0	X
		MAIN CONTACTOR RELAY	G7T-1112S-DC24	OMRON	S07955	ROMI DCM 620 5X V3.0	X
-K151	48.E1	TOOL UNLOCK RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	X
-K152	48.E3	TOOL CLEANING ON RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	X
-K153	47.E3	UNCLAMP TOOL - WORK LIGHT	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	X
-K231	62.E1	HYDRAULIC UNIT RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	X
-K232	62.E10	RELAY SOLENOID VENTAGEM	G3R-ODX02SN-UTU DC5-24	OMRON	S72076	ROMI DCM 620 5X V3.0	X
-K233	62.E12	RELAY SOLENOID PRESSURIZAÇÃO	G3R-ODX02SN-UTU DC5-24	OMRON	S72076	ROMI DCM 620 5X V3.0	X
-K241	79.E9	WASH GUN RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	X
-K251	59.E10	PUMP COOLANT RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	X
-K271	63.D12	LUBRICATION RELAY BASE	PYF08A-E	OMRON	S09156	ROMI DCM 620 5X V3.0	X
	63.F12	LUBE PUMP RELAY	MY2N-D2-DC24	OMRON	S09155	ROMI DCM 620 5X V3.0	X
-K272	63.E10	TURN ON LUBRICATION RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	X
-K291	86.E9	FORWARD CHIP CONVEYOR RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	O
-K292	86.E12	REVERSE CHIP CONVEYOR RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	O
-K411	88.E8	RELAY LUBRICANT OIL SKIMMER	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	O
-K412	88.D11	BASE RELAY	PYF08A-E	OMRON	S09156	ROMI DCM 620 5X V3.0	X
	88.F11	RELAY LUBRICANT OIL SKIMMER	MY2N-D2-DC24	OMRON	S09155	ROMI DCM 620 5X V3.0	X
-K491	65.E2	WORK LIGHT	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	X
-K492	65.C6	BASE RELAY	PYF08A-E	OMRON	S09156	ROMI DCM 620 5X V3.0	X
	65.F6	RELAY WORK LIGHT	MY2N-D2-DC24	OMRON	S09155	ROMI DCM 620 5X V3.0	X
-K511	67.E1	HOURMETER RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	X
-K541	103.E12	REMOTE DIAGNOSTIC ENABLING RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	O
	104.E12	REMOTE DIAGNOSTIC ENABLING RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	O
-K611	89.E10	CHIP CLEAN RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	X

CONFIGURAÇÃO X = STANDARD O = OPCIONAL V = VARIANTE E = ESPECIAL * = FIM DE EFETIVIDADE

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: FUNCTION / DESCRIPTION OF PARTS

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	141		ROMI DCM 620-5X V3.0	U14186H

SYMBOL	POSITION SCHEME	FUNCTION / DESCRIPTION OF PARTS	SUPPLIER CODE	SUPPLIER	ROMI CODE	APPLICATION	
						MACHINE	TYPE
-K691	75.E1	TOOL POCKET FORWARD RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	X
-K692	75.E2	TOOL POCKET BACKWARD RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	X
-K693	71.E9	CHANGE ARM RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	X
-K694	75.E4	ATC PORT OPENING RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	X
-K695	75.E5	CLOSE ATC DOOR RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	X
-K696	69.E10	CW MAGAZINE RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	X
-K697	69.E12	CCW MAGAZINE RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	X
-K731	90.E10	MIST EXAUST RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	O
	91.E10	MIST EXAUST RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	O
-K751	92.E10	MIST EXAUST RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	O
	93.E7	SPINDLE CENTER COOLING	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	O
-K801	94.E1	MACHINE - CYCLE RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	O
-K802	94.E3	MACHINE - PRE ALARM RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	O
-K803	94.E4	MACHINE - EMERGENCY RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	O
-K831	98.E11	PROBE RELAY M CODE	G3R-ODX02SN-UTU DC5-24	OMRON	S72076	ROMI DCM 620 5X V3.0	O
-K861	99.E10	PROBE RELAY M CODE	G3R-ODX02SN-UTU DC5-24	OMRON	S72076	ROMI DCM 620 5X V3.0	O
-K901	54.E6	B AXIS SADDLE LOCKING RELAYB AXIS SADDLE UNLOCKING RELAY	G3R-ODX02SN-UTU DC5-24	OMRON	S72076	ROMI DCM 620 5X V3.0	X
-K902	54.E1	B AXIS SADDLE LOCKING RELAY	G3R-ODX02SN-UTU DC5-24	OMRON	S72076	ROMI DCM 620 5X V3.0	X
-K903	54.E10	RELAY RETENTION PRESSURE - B	G3R-ODX02SN-UTU DC5-24	OMRON	S72076	ROMI DCM 620 5X V3.0	X
-K911	57.E9	TABLE UNLOCKING RELAY C AXIS	G3R-ODX02SN-UTU DC5-24	OMRON	S72076	ROMI DCM 620 5X V3.0	X
-K912	57.E5	RELAY LOCK TABLE C AXIS	G3R-ODX02SN-UTU DC5-24	OMRON	S72076	ROMI DCM 620 5X V3.0	X
-K913	58.E2	RELAY RETENTION PRESSURE - C	G3R-ODX02SN-UTU DC5-24	OMRON	S72076	ROMI DCM 620 5X V3.0	X
-K1001	10.B2	AUTO POWER OFF	29390	SCHNEIDER	T11491	ROMI DCM 620 5X V3.0	O
	10.B9	AUTO POWER OFF	29390	SCHNEIDER	T11491	ROMI DCM 620 5X V3.0	O
-K1002	97.E1	AUTO POWER OFF RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	O
-K1061	95.E1	PNEUMATIC CLEANING RELAY	G2R-1-SND DC24(S)	OMRON	S72075	ROMI DCM 620 5X V3.0	O
-KA61		EMERGENCY LINE AUXILIARY CONTACTOR-1	CAD-50BL	SCHNEIDER	S41429	ROMI DCM 620 5X V3.0	X
		AUX. CONTACTOR	LAD-N11	SCHNEIDER	S41510	ROMI DCM 620 5X V3.0	X
	18.D8	EMERGENCY LINE AUXILIARY CONTACTOR-1	CAD-50BL	SCHNEIDER	S41429	ROMI DCM 620 5X V3.0	X
	18.F9	AUX. CONTACTOR	LAD-N11	SCHNEIDER	S41510	ROMI DCM 620 5X V3.0	X
	19.D8	EMERGENCY LINE AUXILIARY CONTACTOR-1	CAD-50BL	SCHNEIDER	S41429	ROMI DCM 620 5X V3.0	X
	19.F8	AUX. CONTACTOR	LAD-N11	SCHNEIDER	S41510	ROMI DCM 620 5X V3.0	X
-KA62		EMERGENCY LINE AUXILIARY CONTACTOR-2	CAD-50BL	SCHNEIDER	S41429	ROMI DCM 620 5X V3.0	X
		AUX. CONTACTOR	LAD-N11	SCHNEIDER	S41510	ROMI DCM 620 5X V3.0	X
	18.E10	EMERGENCY LINE AUXILIARY CONTACTOR-2	CAD-50BL	SCHNEIDER	S41429	ROMI DCM 620 5X V3.0	X
	18.F11	AUX. CONTACTOR	LAD-N11	SCHNEIDER	S41510	ROMI DCM 620 5X V3.0	X
	19.E10	EMERGENCY LINE AUXILIARY CONTACTOR-2	CAD-50BL	SCHNEIDER	S41429	ROMI DCM 620 5X V3.0	X
	19.F11	AUX. CONTACTOR	LAD-N11	SCHNEIDER	S41510	ROMI DCM 620 5X V3.0	X
-KM21	11.F12	FEEDING CONTACTOR - EMERGENCY	LC1-D12BL	SCHNEIDER	S41430	ROMI DCM 620 5X V3.0	X
-KM141	44.F12	MAIN CONTACTOR	LC1-D80M7	SCHNEIDER	S41377	ROMI DCM 620 5X V3.0	X
-KM231	62.F4	HYDRAULIC UNIT MOTOR CONTACTOR	LC1-D12BL	SCHNEIDER	S41430	ROMI DCM 620 5X V3.0	X

CONFIGURAÇÃO X = STANDARD O = OPCIONAL V = VARIANTE E = ESPECIAL * = FIM DE EFETIVIDADE

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: FUNCTION / DESCRIPTION OF PARTS

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	142		ROMI DCM 620-5X V3.0	U14186H

SYMBOL	POSITION SCHEME	FUNCTION / DESCRIPTION OF PARTS	SUPPLIER CODE	SUPPLIER	ROMI CODE	APPLICATION	
						MACHINE	TYPE
-KM241	79.F11	WASH GUN CONTACTOR	LC1-D12BL	SCHNEIDER	S41430	ROMI DCM 620 5X V3.0	X
-KM251	59.F12	COOLANT MOTOR CONTACTOR	LC1-D12BL	SCHNEIDER	S41430	ROMI DCM 620 5X V3.0	X
-KM291	87.F2	FORWARD CHIP CONVEYOR MOTOR CONTACTOR	LC1-D12BL	SCHNEIDER	S41430	ROMI DCM 620 5X V3.0	O
-KM292	87.F5	REVERSE CHIP CONVEYOR MOTOR CONTACTOR	LC1-D12BL	SCHNEIDER	S41430	ROMI DCM 620 5X V3.0	O
-KM611	89.F12	CHIP CLEAN MOTOR CONTACTOR	LC1-D12BL	SCHNEIDER	S41430	ROMI DCM 620 5X V3.0	X
-KM691	70.F2	ATC CW CONTACTOR	LC1-D12BL	SCHNEIDER	S41430	ROMI DCM 620 5X V3.0	X
-KM692	71.F12	CHANGE ARM MOTOR CONTACTOR	LC1-D12BL	SCHNEIDER	S41430	ROMI DCM 620 5X V3.0	X
-KM693	70.F5	ATC COUNTERCLOCKWISE ROTATION CONTACTOR	LC1-D12BL	SCHNEIDER	S41430	ROMI DCM 620 5X V3.0	X
-KM731	90.F13	COOLANT MIST EXHAUST CONTACTOR	LC1-D12BL	SCHNEIDER	S41430	ROMI DCM 620 5X V3.0	O
	91.F12	COOLANT MIST EXHAUST CONTACTOR	LC1-D12BL	SCHNEIDER	S41430	ROMI DCM 620 5X V3.0	O
-KM751	92.F13	SPINDLE CENTER COOLING MOTOR CONTACTOR	LC1-D12BL	SCHNEIDER	S41430	ROMI DCM 620-5X V3.0 - 7 BAR	O
-L141	42.C2	AIM	6SL3100-0BE23-6AB0	SIEMENS	T62928	ROMI DCM 620 5X V3.0	X
-L491	66.D2	WORK LIGHT - 1	HPL-281DE	JARRER	U17197	ROMI DCM 620 5X V3.0	X
-L492	66.D6	WORK LIGHT - 2	HPL-281DE	JARRER	U17197	ROMI DCM 620 5X V3.0	X
-L493	66.D11	WORK LIGHT - 3	HPL-281D	JARRER	U17459	ROMI DCM 620 5X V3.0	X
-M151	45.E2	MOTOR SPINDLE	1PH8107-1SM02-3MC1	SIEMENS	U17892	ROMI DCM 620 5X V3.0	X
-M181	49.E2	AXIS MOTOR X	1FT7102-5AF71-1CG1	SIEMENS	T92828	ROMI DCM 620 5X V3.0	X
-M191	49.E6	AXIS MOTOR Y	1FK7101-2AF71-1CG1	SIEMENS	T92832	ROMI DCM 620 5X V3.0	X
-M201	50.E2	Z AXIS MOTOR	1FK7103-2AF71-1CH1	SIEMENS	T92838	ROMI DCM 620 5X V3.0	X
-M231	61.E2	HIDRAULIC UNIT MOTOR	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-M241	79.E2	WASH GUN MOTOR	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-M251	59.E2	FLOOD COOLANT MOTOR	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-M271	63.E2	LUBE PUMP MOTOR	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-M281	85.D2	AIR CONDITIONER	SK3305.140	RITTAL	S95295	ROMI DCM 620 5X V3.0	O
-M391	64.E4	ELECTRIC PANEL CLIMATIZATION	R2E 190-AO26-05	EBM	S89620	ROMI DCM 620 5X V3.0	X
-M392	117.E8	BLOWER OPERATION PANEL MOTOR	SK3108.000	RITTAL	S19983	ROMI DCM 620 5X V3.0	X
-M411	88.E2	LUBRICANT OIL SKIMMER MOTOR	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	O
-M611	89.E2	CHIP CLEAN MOTOR	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-M731	90.E2	COOLANT MIST EXHAUST MOTOR	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	*
	117.I14	COOLANT MIST EXHAUST MOTOR	-	VER CATALOGO PEÇA MECANICA	-	ROMI DCM 620 5X V3.0	O
-M751	92.E2	MOTOR FOR SPINDLE CENTER COOLING - 7 BAR	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620-5X V3.0 - 7 BAR	O
-M752	93.E9	TRANSFER MOTOR	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	O
-M901	51.E2	B AXIS MOTOR	1FK7105-2AF71-1CG1	SIEMENS	T92844	ROMI DCM 620 5X V3.0	X
-M911	55.E2	AXIS MOTOR C	1FK7063-2AF71-1CG1	SIEMENS	U16145	ROMI DCM 620 5X V3.0	X
-N121	118.A1	INPUT / OUTPUT MODULE	6FC5311-0AA00-1AA0	SIEMENS	T63241	ROMI DCM 620 5X V3.0	X
						ROMI DCM 620 5X V3.0	X
-N122	83.A4	INPUT / OUTPUT MODULE	6FC5311-0AA00-1AA0	SIEMENS	T63241	ROMI DCM 620 5X V3.0	X
	122.A1	INPUT / OUTPUT MODULE	6FC5311-0AA00-1AA0	SIEMENS	T63241	ROMI DCM 620 5X V3.0	X
-N131	41.B1	CNC	6FC5372-0AA30-0AA1	SIEMENS	U13602	ROMI DCM 620 5X V3.0	*
			6FC5372-0AA30-0AB0	SIEMENS	U51977	ROMI DCM 620 5X V3.0	X
-N133	29.C7	TCU	6FC5312-0DA00-1AA0	SIEMENS	U20952	ROMI DCM 620 5X V3.0	X

CONFIGURAÇÃO X = STANDARD O = OPCIONAL V = VARIANTE E = ESPECIAL * = FIM DE EFETIVIDADE

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: FUNCTION / DESCRIPTION OF PARTS

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	143		ROMI DCM 620-5X V3.0	U14186H

SYMBOL	POSITION SCHEME	FUNCTION / DESCRIPTION OF PARTS	SUPPLIER CODE	SUPPLIER	ROMI CODE	APPLICATION	
						MACHINE	TYPE
-N134	29.E7	KEYBOARD	6FC5203-0AF20-0AA1	SIEMENS	T95178	ROMI DCM 620 5X V3.0	X
-N135	29.C12	MONITOR OP019	6FC5303-0AF13-0AA0	SIEMENS	U20922	ROMI DCM 620 5X V3.0	X
-N136	29.C2	EMERGENCY BUTTON	6FC5303-0AF22-0AA1	SIEMENS	T95177	ROMI DCM 620 5X V3.0	X
-N151	45.B2	SPINDLE AMPLIFIER	6SL3121-1TE24-5AA3	SIEMENS	T36777	ROMI DCM 620 5X V3.0	X
-N171	49.B1	X AXIS AMPLIFIER / Y	6SL3121-2TE21-8AA3	SIEMENS	T33254	ROMI DCM 620 5X V3.0	X
-N172	32.B2	BOTÃO EMERGÊNCIA PAINEL REMOTO	079827	EUCHNER	S99307	ROMI DCM 620 5X V3.0	X
-N201	50.B2	Z AXIS AMPLIFIER	6SL3121-1TE23-0AA3	SIEMENS	T33256	ROMI DCM 620 5X V3.0	X
-N541	103.C2	MODEM REMOTE DIAGNOSIS -3G	2314008	PHOENIX	U24605	ROMI DCM 620 5X V3.0	O
	104.E2	MODEM REMOTE DIAGNOSIS - CABLE	2700642	PHOENIX	U24606	ROMI DCM 620 5X V3.0	O
-N542	103.E9	ANTENA REMOTE DIAGNOSIS - 3G	2313371	PHOENIX	U24603	ROMI DCM 620 5X V3.0	O
-N781	100.B2	ENCODER MODULE	6SL3055-0AA00-5BA3	SIEMENS	S87810	ROMI DCM 620 5X V3.0	O
-N782	101.B2	ENCODER MODULE	6SL3055-0AA00-5BA3	SIEMENS	S87810	ROMI DCM 620 5X V3.0	O
-N783	102.B2	ENCODER MODULE	6SL3055-0AA00-5BA3	SIEMENS	S87810	ROMI DCM 620 5X V3.0	O
-N901	51.B2	AXIS AMPLIFIER B	6SL3121-1TE23-0AA3	SIEMENS	T33256	ROMI DCM 620 5X V3.0	X
-N902	52.B1	ENCODER MODULE	6SL3055-0AA00-5BA3	SIEMENS	S87810	ROMI DCM 620 5X V3.0	X
-N911	55.B2	AXIS AMPLIFIER C	6SL3121-1TE21-0AA4	SIEMENS	T36789	ROMI DCM 620 5X V3.0	X
-N912	56.B1	ENCODER MODULE	6SL3055-0AA00-5BA3	SIEMENS	S87810	ROMI DCM 620 5X V3.0	X
-QM11	10.B3	DISTRIBUTION CIRCUIT BREAKER	LV429631	SCHNEIDER	T46465	ROMI DCM 620 5X V3.0	X
	10.B10	DISTRIBUTION CIRCUIT BREAKER	LV429631	SCHNEIDER	T46465	ROMI DCM 620-5X V3.0 - 360~480V	X
			LV430630	SCHNEIDER	T46411	ROMI DCM 620-5X V3.0 - 200~250V	O
	43.B4	FORWARD AUXILIARY CONTACT	29345	SCHNEIDER	T46404	ROMI DCM 620 5X V3.0	X
-QM21	12.B2	CONTROL AUTO TRAFO CIRCUIT BREAKER (6A)	24335	SCHNEIDER	R18116	ROMI DCM 620 5X V3.0	X
-QM22	11.C6	DISTRIBUTION CIRCUIT BREAKER(40A)	GV3-P40	SCHNEIDER	T49331	ROMI DCM 620 5X V3.0	X
-QM31	12.C7	WORK LIGHT CIRCUIT BREAKER / SERVICE OUTLET / BLOWER OPERATION PANEL MOTOR (4A)	24334	SCHNEIDER	S46176	ROMI DCM 620 5X V3.0	X
-QM41	13.A2	POWER SUPPLY CIRCUIT BRAKER-24V (10A)	24336	SCHNEIDER	R29597	ROMI DCM 620 5X V3.0	X
-QM141	44.A2	MAIN CONTACTOR CIRCUIT BREAKER (2A)	24332	SCHNEIDER	R15076	ROMI DCM 620 5X V3.0	X
-QM151	46.B2	CIRCUIT BREAKER FOR BLOWER SPINDLE - (0,40A)	GV2-ME01	SCHNEIDER	S41487	ROMI DCM 620 5X V3.0	X
	46.B3	1NO / 1NC AUXILIARY CONTACTOR	GV-AE11	SCHNEIDER	R76267	ROMI DCM 620 5X V3.0	X
-QM231	61.B2	HYDRAULIC UNIT MOTOR CIRCUIT BRAKER (3,5A)	GV2-ME08	SCHNEIDER	R72713	ROMI DCM 620 5X V3.0	X
-QM241	79.B2	WASH GUN MOTOR CIRCUIT BRAKER (2,9A)	GV2-ME08	SCHNEIDER	R72713	ROMI DCM 620 5X V3.0	X
	79.B3	1NO / 1NC AUXILIARY CONTACTOR	GV-AE11	SCHNEIDER	R76267	ROMI DCM 620 5X V3.0	X
-QM251	59.B2	COOLANT MOTOR CIRCUIT BRAKER (2,9A)	GV2-ME08	SCHNEIDER	R72713	ROMI DCM 620 5X V3.0	X
	59.B3	1NO / 1NC AUXILIARY CONTACTOR	GV-AE11	SCHNEIDER	R76267	ROMI DCM 620 5X V3.0	X
-QM271	63.B2	LUBRICATION MOTOR CIRCUIT BREAKER (2A)	24332	SCHNEIDER	R15076	ROMI DCM 620 5X V3.0	X
-QM281	85.B2	CIRCUIT BREAKER FOR AIR CONDITIONER (10A)	24349	SCHNEIDER	Q15390	ROMI DCM 620 5X V3.0	O
-QM291	86.A3	1NO / 1NC AUXILIARY CONTACTOR	GV-AE11	SCHNEIDER	R76267	ROMI DCM 620 5X V3.0	O
		CIRCUIT BREAKER FOR CHIP CONVEYOR (0,75A)	GV2-ME05	SCHNEIDER	R76266	ROMI DCM 620 5X V3.0	O
-QM391	64.A4	ELECTRIC PANEL ACCLIMATION CIRCUIT BREAKER (2A)	24332	SCHNEIDER	R15076	ROMI DCM 620 5X V3.0	X
-QM411	88.B2	OIL SEPARATOR MOTOR CIRCUIT BREAKER - (2A)	24332	SCHNEIDER	R15076	ROMI DCM 620 5X V3.0	X
-QM611	89.B2	CHIP CLEAN MOTOR CIRCUIT BRAKER(2,9A)	GV2-ME08	SCHNEIDER	R72713	ROMI DCM 620 5X V3.0	X
	89.B3	1NO / 1NC AUXILIARY CONTACTOR	GV-AE11	SCHNEIDER	R76267	ROMI DCM 620 5X V3.0	X

CONFIGURAÇÃO X = STANDARD O = OPCIONAL V = VARIANTE E = ESPECIAL * = FIM DE EFETIVIDADE

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: FUNCTION / DESCRIPTION OF PARTS

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	144		ROMI DCM 620-5X V3.0	U14186H

SYMBOL	POSITION SCHEME	FUNCTION / DESCRIPTION OF PARTS	SUPPLIER CODE	SUPPLIER	ROMI CODE	APPLICATION	
						MACHINE	TYPE
-QM691	69.B2	MAGAZINE SPIN MOTOR CIRCUIT BRAKER (1,9A)	GV2-ME07	SCHNEIDER	R72712	ROMI DCM 620 5X V3.0	X
	69.B3	1NO / 1NC AUXILIARY CONTACTOR	GV-AE11	SCHNEIDER	R76267	ROMI DCM 620 5X V3.0	X
-QM692	71.B2	CHANGE ARM MOTOR CIRCUIT BRAKER (2A)	GV2-ME07	SCHNEIDER	R72712	ROMI DCM 620 5X V3.0	X
	71.B3	1NO / 1NC AUXILIARY CONTACTOR	GV-AE11	SCHNEIDER	R76267	ROMI DCM 620 5X V3.0	X
-QM731	90.B2	MIST EXAUST MOTOR-CIRCUIT BRAKER (5,5A)	GV2-ME10	SCHNEIDER	R37373	ROMI DCM 620 5X V3.0	*
	90.B3	1NO / 1NC AUXILIARY CONTACTOR	GV-AE11	SCHNEIDER	R76267	ROMI DCM 620 5X V3.0	O
	91.B2	MIST EXAUST MOTOR-CIRCUIT BRAKER (0.7A)	GV2-ME05	SCHNEIDER	R76266	ROMI DCM 620 5X V3.0	O
	91.B3	1NO / 1NC AUXILIARY CONTACTOR	GV-AE11	SCHNEIDER	R76267	ROMI DCM 620 5X V3.0	O
-QM751	92.B2	CIRCUIT BREAKER OF SPINDLE CENTER COOLING MOTOR - 7 BAR (3,4A)	GV2-ME08	SCHNEIDER	R72713	ROMI DCM 620-5X V3.0 - 7 BAR	O
	92.B3	1NO / 1NC AUXILIARY CONTACTOR	GV-AE11	SCHNEIDER	R76267	ROMI DCM 620-5X V3.0 - 7 BAR	O
	93.B2	CIRCUIT BREAKER OF SPINDLE CENTER COOLING MOTOR - 20 / 70 BAR	5SX1 316-7	SIEMENS	R68750	ROMI DCM 620-5X V3.0 - 20 / 70 BAR	O
-QM861	84.B2	HEAD COOLING MOTOR CIRCUIT BREAKER - (6,5A)	24348	SCHNEIDER	Q15389	ROMI DCM 620 5X V3.0	X
-S81	26.B3	OPERATOR'S DOOR INTERLOCK - 1	084142+074576	EUCHNER	S48285	ROMI DCM 620 5X V3.0	X
-S82	27.B3	OPERATOR'S DOOR INTERLOCK - 2	084142+074576	EUCHNER	S48285	ROMI DCM 620 5X V3.0	X
-S101	28.C3	LOCK ELECTRICAL MAGAZINE DOOR	084142+059440	EUCHNER	S84109	ROMI DCM 620 5X V3.0	X
-S111	96.B5	SENSOR - AUTOMATIC DOOR OPENED	ZV14H 235-11Z	ACE SCHMERSAL	S27365	ROMI DCM 620 5X V3.0	O
-S112	96.B6	SENSOR - CLOSE AUTOMATIC DOOR	3SE5 232-0LD03	SIEMENS	T88228	ROMI DCM 620 5X V3.0	O
-S151	47.B7	UNLOCKED TOOL SHAFT SENSOR	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-S152	47.B9	TOOL CLAMPED SENSOR - SPINDLE	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-S153	47.B12	TOOL SENSOR OK - SPINDLE	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-S154	80.E4	SENSOR MANCAL	-	SEE MECHANICAL PARTS LIST	U09985	SISTEMA COMPENSAÇÃO TÉRMICA -COM ESCALA LINEAR	X
-S155	81.E4	SENSOR ROLAMENTO	-	SEE MECHANICAL PARTS LIST	U09985	SISTEMA COMPENSAÇÃO TÉRMICA -COM ESCALA LINEAR	X
	83.E4	SENSOR ROLAMENTO	-	SEE MECHANICAL PARTS LIST	U09985	SISTEMA COMPENSAÇÃO TÉRMICA -SEM ESCALA LINEAR	X
-S156	81.E10	SENSOR BASE	-	SEE MECHANICAL PARTS LIST	U09985	SISTEMA COMPENSAÇÃO TÉRMICA -COM ESCALA LINEAR	X
	83.E10	SENSOR BASE	-	SEE MECHANICAL PARTS LIST	U09985	SISTEMA COMPENSAÇÃO TÉRMICA -SEM ESCALA LINEAR	X
-S157	82.E4	SENSOR MANCAL	-	SEE MECHANICAL PARTS LIST	U09985	SISTEMA COMPENSAÇÃO TÉRMICA -SEM ESCALA LINEAR	X
-S231	61.B11	HYDRAULIC UNIT PRESSURE SWITCH	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-S251	60.B2	SWITCH NÍVEL - FLOOD COOLANT	VER CATÁLOGO DE PEÇAS	-	-	ROMI DCM 620 5X V3.0	X
-S271	63.B6	LOW LUBE LEVEL SWITCH	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-S272	63.B8	PERFORMANCE PRESSURE LUBRIFICATION	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-S281	85.C4	DOOR MICRO SWITCH	T4R 236 11z	ACE SCHMERSAL	S93664	ROMI DCM 620 5X V3.0	O
-S391	64.C4	ELECTRIC PANEL DOOR MICRO SWITCH	T4R 236 20z	ACE SCHMERSAL	S93665	ROMI DCM 620 5X V3.0	X
-S392	64.B9	ACCLIMATIZATION SUPERVISOR MICRO SWITCH	S70900	ROMI	S70900	ROMI DCM 620 5X V3.0	X
-S691	76.B2	MICROSWITCH CLOSED MAGAZINE DOOR	3SE5232-0LE10	SIEMENS	U14647	ROMI DCM 620 5X V3.0	X
-S692	76.B5	MICROSWITCH DOOR MAGAZINE ABERTA	3SE5232-0LE10	SIEMENS	U14647	ROMI DCM 620 5X V3.0	X
-S751	92.C8	1 DIRTY FILTER PRESSURE SWITCH	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620-5X V3.0 - 7 BAR	O
-S783	80.E10	SENSOR Z AXIS LINEAR SCALE	-	SEE MECHANICAL PARTS LIST	U09985	SISTEMA COMPENSAÇÃO TÉRMICA -COM ESCALA LINEAR	X
-S784	82.E10	SENSOR PORCA Z AXIS	-	SEE MECHANICAL PARTS LIST	U09985	SISTEMA COMPENSAÇÃO TÉRMICA -SEM ESCALA LINEAR	X
-S901	53.B2	PRESSURE SWITCH AXIS - B	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-S902	53.B7	SAFETY LIMIT FOR PATH (B+)	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-S903	53.B9	SAFETY LIMIT FOR PATH (B-)	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X

CONFIGURAÇÃO X = STANDARD O = OPCIONAL V = VARIANTE E = ESPECIAL * = FIM DE EFETIVIDADE

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: FUNCTION / DESCRIPTION OF PARTS

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	145		ROMI DCM 620-5X V3.0	U14186H

SYMBOL	POSITION SCHEME	FUNCTION / DESCRIPTION OF PARTS	SUPPLIER CODE	SUPPLIER	ROMI CODE	APPLICATION	
						MACHINE	TYPE
-S911	57.B2	PRESSURE SWITCH - AXIS C	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-S1051	78.B2	LOW PNEUMATIC PRESSURE SWITCH	VER CATÁLOGO DE PEÇAS	-	-	ROMI DCM 620 5X V3.0	X
-S1052	78.C6	PRESSURE SWITCH PRESSURE POSITIVA TABLE AXIS B/C	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-SB51	16.B2	MACHINE ON	XB6-DW3B1B	SCHNEIDER	R93137	ROMI DCM 620 5X V3.0	X
-SB61	21.B2	EMERGENCY BUTTON - MCP	XB5-AS544	SCHNEIDER	S48974	ROMI DCM 620 5X V3.0	X
-SB81	24.B2	OPEN DOOR BUTTON - OPERATOR`S DOOR	ZB4BW0B11 + ZB4BW1138	SCHNEIDER	S10078	ROMI DCM 620 5X V3.0	X
-SB131	39.B2	CNC ON BUTTON	XB6-DW3B1B	SCHNEIDER	R93137	ROMI DCM 620 5X V3.0	X
-SB151	47.B1	TOOL UNLOCK BUTTON	ZB4BW0B11 + ZB4BW1138	SCHNEIDER	S10078	ROMI DCM 620 5X V3.0	X
-SB571	30.B4	CYCLE START BUTTON	ZB4BW0B31 + ZB4BW1338	SCHNEIDER	S10074	ROMI DCM 620 5X V3.0	X
-SB572	30.B2	CYCLE STOP BUTTON	ZB4BW0B45+ZB4BW1438	SCHNEIDER	S10076	ROMI DCM 620 5X V3.0	X
-SB591	30.B6	BUTTON CONFIRMAÇÃO	ZB4BW0B11 + ZB4BW1138	SCHNEIDER	S10078	ROMI DCM 620 5X V3.0	X
-SB592	30.B12	SETUP MODE SELECTION KEY	ZB4-BZ101+ZB4-BG212	SCHNEIDER	S93881	ROMI DCM 620 5X V3.0	X
-SB671	30.B8	ENABLE REMOTE OPERATION PANEL	ZB4-BZ103+ZB4-BG414	SCHNEIDER	T09381	ROMI DCM 620 5X V3.0	X
-SB691	21.B8	EMERGENCY BUTTON - AUTOMATIC TOOL CHANGER	XB5-AS544	SCHNEIDER	S48974	ROMI DCM 620 5X V3.0	X
-SB692	76.B7	BUTTON CLOCKWISE MAGAZINE	ZB4BW0B11 + ZB4BW1138	SCHNEIDER	S10078	ROMI DCM 620 5X V3.0	X
-SB693	76.B10	BUTTON COUNTERCLOCKWISE MAGAZINE	ZB4BW0B11 + ZB4BW1138	SCHNEIDER	S10078	ROMI DCM 620 5X V3.0	X
-SB694	76.B12	AUTO / JOG MAGAZINE SWITCH	XB4-BG21	SCHNEIDER	S09374	ROMI DCM 620 5X V3.0	X
-SB695	76.B9	BUTTON MAGAZINE OK	ZB4BW0B11 + ZB4BW1138	SCHNEIDER	S10078	ROMI DCM 620 5X V3.0	X
-T11	10.D10	AUTO TRAFO 8 TAPS - 50 KVA	S61937	TRA / WALTEC	S61937	ROMI DCM 620-5X V3.0 - 200~250V	O
-T31	12.C2	TRANSFORMER (COMMAND)	-	TRA	T50428	ROMI DCM 620 5X V3.0	X
-X1	45.D2	CONNECTOR	87.4.010.251	A. SCHWEIGER GMBH	S98880	ROMI DCM 620 5X V3.0	X
	49.D2	CONNECTOR	87.4.010.251	A. SCHWEIGER GMBH	S98880	ROMI DCM 620 5X V3.0	X
	50.D3	CONNECTOR	87.4.010.251	A. SCHWEIGER GMBH	S98880	ROMI DCM 620 5X V3.0	X
	51.D2	CONNECTOR	87.4.010.251	A. SCHWEIGER GMBH	S98880	ROMI DCM 620 5X V3.0	X
	55.D2	CONNECTOR	87.4.010.251	A. SCHWEIGER GMBH	S98880	ROMI DCM 620 5X V3.0	X
-X2	49.D6	CONNECTOR	87.4.010.251	A. SCHWEIGER GMBH	S98880	ROMI DCM 620 5X V3.0	X
-X20	29.B3	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
-X21	29.B5	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
-X24	45.B8	CONNECTOR	6SL3162-2AA00-0AA0	SIEMENS	S87805	ROMI DCM 620 5X V3.0	X
-X100	41.B3	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
-X101	41.B4	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
-X102	41.B6	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
-X105	41.B11	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
-X111	36.E6	CONNECTOR	5-881107-0	TYCO	Q61319	ROMI DCM 620 5X V3.0	X
-X120	41.B12	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
-X200	43.B6	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
	45.B5	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
	49.B5	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
	50.B5	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
	51.B5	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
	55.B5	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X

CONFIGURAÇÃO X = STANDARD O = OPCIONAL V = VARIANTE E = ESPECIAL * = FIM DE EFETIVIDADE

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15
REL.	MODIFICATION	MODIF.	APROV.	DATE

DESCRIPTION: FUNCTION / DESCRIPTION OF PARTS

ROMI®

DESIGNED	FERNANDO	11/09/2013
DRAWER	ANDREW	11/09/2013
CONTROLLED	VILALTA	11/09/2013

PROJECTION | SIZE: A3

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	146		ROMI DCM 620-5X V3.0	U14186H

SYMBOL	POSITION SCHEME	FUNCTION / DESCRIPTION OF PARTS	SUPPLIER CODE	SUPPLIER	ROMI CODE	APPLICATION	
						MACHINE	TYPE
-X201	43.D2	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
	45.B6	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
	49.B6	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
	50.B7	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
	51.B6	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
	55.B6	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
-X202	29.B8	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
	43.D3	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
	45.D3	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
	49.D3	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
	50.D4	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
	51.D3	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
	55.D3	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
-X203	49.D7	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
-X222	37.E6	CONNECTOR	5-881107-0	TYCO	Q61319	ROMI DCM 620 5X V3.0	X
-X333	38.E6	CONNECTOR	5-881107-0	TYCO	Q61319	ROMI DCM 620 5X V3.0	X
	93.E11	CONNECTOR	5-881107-0	TYCO	Q61319	ROMI DCM 620 5X V3.0	O
-X500	52.B3	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
	56.B3	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
	100.B4	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	O
	101.B4	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	O
	102.B4	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	O
-X520	52.D2	CONNECTOR	6FC9 348-7HP00-Z.	SIEMENS	R81463	ROMI DCM 620 5X V3.0	X
	56.D2	CONNECTOR	6FC9 348-7HP00-Z.	SIEMENS	R81463	ROMI DCM 620 5X V3.0	X
	100.D5	CONNECTOR	6FC9 348-7HP00-Z.	SIEMENS	R81463	ROMI DCM 620 5X V3.0	O
	101.D5	CONNECTOR	6FC9 348-7HP00-Z.	SIEMENS	R81463	ROMI DCM 620 5X V3.0	O
	102.D5	CONNECTOR	6FC9 348-7HP00-Z.	SIEMENS	R81463	ROMI DCM 620 5X V3.0	O
-XF64	32.B2	CONNECTOR	074384	EUCHNER	S98666	ROMI DCM 620 5X V3.0	X
-XF172	33.E12	CONNECTOR	074384	EUCHNER	S98666	ROMI DCM 620 5X V3.0	X
-XF173	32.C2	CONNECTOR	205205-1	AMP	R41177	ROMI DCM 620 5X V3.0	X
-XF181	49.E2	CONNECTOR	6FX2 003 - 0LU10	SIEMENS	R98692	ROMI DCM 620 5X V3.0	X
-XF191	49.E6	CONNECTOR	6FX2 003 - 0LU10	SIEMENS	R98692	ROMI DCM 620 5X V3.0	X
-XF201	50.E3	CONNECTOR	6FX2 003 - 0LU10	SIEMENS	R98692	ROMI DCM 620 5X V3.0	X
-XF241	79.D2	CONNECTOR	09.33.006.2701	HARTING	Q12375	ROMI DCM 620 5X V3.0	O
-XF251	59.D2	CONNECTOR	09.20.003.2711	HARTING	R94420	ROMI DCM 620 5X V3.0	X
-XF252	60.A2	CONNECTOR	09.33.006.2701	HARTING	Q12375	ROMI DCM 620 5X V3.0	X
-XF292	86.E3	CONNECTOR	09.32.010.3101	HARTING	S26981	ROMI DCM 620 5X V3.0	O
-XF402	93.B9	CONNECTOR	09.33.006.2701	HARTING	Q12375	ROMI DCM 620 5X V3.0	O
-XF403	93.E5	CONNECTOR	09.70.006.2616	HARTING	R96139	ROMI DCM 620 5X V3.0	O
-XF404	93.E2	CONNECTOR	09.31.006.2701	HARTING	P18120	ROMI DCM 620 5X V3.0	O
-XF411	88.D2	CONNECTOR	09.20.004.2711	HARTING	S19476	ROMI DCM 620 5X V3.0	X

CONFIGURAÇÃO X = STANDARD O = OPCIONAL V = VARIANTE E = ESPECIAL * = FIM DE EFETIVIDADE

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: FUNCTION / DESCRIPTION OF PARTS

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	147		ROMI DCM 620-5X V3.0	U14186H

SYMBOL	POSITION SCHEME	FUNCTION / DESCRIPTION OF PARTS	SUPPLIER CODE	SUPPLIER	ROMI CODE	APPLICATION	
						MACHINE	TYPE
-XF524	100.B2	CONNECTOR	1-178288-3	AMP	R79991	ROMI DCM 620 5X V3.0	O
	101.B2	CONNECTOR	1-178288-3	AMP	R79991	ROMI DCM 620 5X V3.0	O
	102.B2	CONNECTOR	1-178288-3	AMP	R79991	ROMI DCM 620 5X V3.0	O
-XF531	68.E3	SERVICE OUTLET - 2A	4000-68213-3310000	MURRELEKTRONIK	U10270	ROMI DCM 620 5X V3.0	X
-XF532	29.D8	USB	4000-73000-0150000	MURRELEKTRONIK	U20111	ROMI DCM 620 5X V3.0	X
-XF612	89.D2	CONNECTOR	09.20.004.2711	HARTING	S19476	ROMI DCM 620 5X V3.0	X
-XF731	90.D2	CONNECTOR	09.20.003.2711	HARTING	R94420	ROMI DCM 620 5X V3.0	O
-XF751	92.D2	CONNECTOR	09.20.003.2711	HARTING	R94420	ROMI DCM 620 5X V3.0	O
-XF752	93.D2	CONNECTOR	09.33.006.2701	HARTING	Q12375	ROMI DCM 620 5X V3.0	O
-XF753	92.C8	CONNECTOR	PE 5H	KAP	Q53502	ROMI DCM 620 5X V3.0	O
-XF754	93.D5	CONNECTOR	09.70.006.2616	HARTING	R96139	ROMI DCM 620 5X V3.0	O
-XF755	93.D9	CONNECTOR	09.20.003.2711	HARTING	R94420	ROMI DCM 620 5X V3.0	O
-XF756	93.C9	CONNECTOR	09.20.003.2711	HARTING	R94420	ROMI DCM 620 5X V3.0	O
-XF781	100.E5	CONNECTOR	6FX2 003-0CE17-Z	SIEMENS	R81464	ROMI DCM 620 5X V3.0	O
-XF782	101.E5	CONNECTOR	6FX2 003-0CE17-Z	SIEMENS	R81464	ROMI DCM 620 5X V3.0	O
-XF783	102.E4	CONNECTOR	6FX2 003-0CE17-Z	SIEMENS	R81464	ROMI DCM 620 5X V3.0	O
-XF881	77.E2	ETHERNET PLUG	4000-73000-0010000	MURRELEKTRONIK	T94860	ROMI DCM 620 5X V3.0	X
	104.A7	ETHERNET PLUG	4000-73000-0010000	MURRELEKTRONIK	T94860	ROMI DCM 620 5X V3.0	X
-XF901	51.E2	CONNECTOR	6FX2 003 - 0LU10	SIEMENS	R98692	ROMI DCM 620 5X V3.0	X
-XF902	52.E2	CONNECTOR	6FX2 003-0CE17-Z	SIEMENS	R81464	ROMI DCM 620 5X V3.0	X
-XF911	55.E2	CONNECTOR	6FX2 003 - 0LU10	SIEMENS	R98692	ROMI DCM 620 5X V3.0	X
-XF912	56.E3	CONNECTOR	6FX2 003-0CE17-Z	SIEMENS	R81464	ROMI DCM 620 5X V3.0	X
-XFA	36.B4	CONNECTOR	5536003025	PHOENIX	S89443	ROMI DCM 620 5X V3.0	X
	37.B4	CONNECTOR	5536003025	PHOENIX	S89443	ROMI DCM 620 5X V3.0	X
	38.B4	CONNECTOR	5536003025	PHOENIX	S89443	ROMI DCM 620 5X V3.0	X
-XFB	28.E3	CONNECTOR	5536003035	PHOENIX	S89459	ROMI DCM 620 5X V3.0	X
	67.A4	CONNECTOR	5536003035	PHOENIX	S89459	ROMI DCM 620 5X V3.0	X
	90.E13	CONNECTOR	5536003035	PHOENIX	S89459	ROMI DCM 620 5X V3.0	X
	91.E12	CONNECTOR	5536003035	PHOENIX	S89459	ROMI DCM 620 5X V3.0	X
-XFC	49.A4	CONNECTOR	5536003035	PHOENIX	S89459	ROMI DCM 620 5X V3.0	X
	59.E12	CONNECTOR	5536003035	PHOENIX	S89459	ROMI DCM 620 5X V3.0	X
	62.E4	CONNECTOR	5536003035	PHOENIX	S89459	ROMI DCM 620 5X V3.0	X
-XFD	16.A9	CONNECTOR	5536003039	PHOENIX	S89465	ROMI DCM 620 5X V3.0	X
	63.A6	CONNECTOR	5536003039	PHOENIX	S89465	ROMI DCM 620 5X V3.0	X
	90.A13	CONNECTOR	5536003039	PHOENIX	S89465	ROMI DCM 620 5X V3.0	X
-XFE	28.A10	CONNECTOR	5536003039	PHOENIX	S89465	ROMI DCM 620 5X V3.0	X
	53.A3	CONNECTOR	5536003039	PHOENIX	S89465	ROMI DCM 620 5X V3.0	X
	65.A6	CONNECTOR	5536003039	PHOENIX	S89465	ROMI DCM 620 5X V3.0	X
-XFF	16.D6	CONNECTOR	5536003040	PHOENIX	S89466	ROMI DCM 620 5X V3.0	X
	26.D10	CONNECTOR	5536003040	PHOENIX	S89466	ROMI DCM 620 5X V3.0	X
	53.D9	CONNECTOR	5536003040	PHOENIX	S89466	ROMI DCM 620 5X V3.0	X

CONFIGURAÇÃO X = STANDARD O = OPCIONAL V = VARIANTE E = ESPECIAL * = FIM DE EFETIVIDADE

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: FUNCTION / DESCRIPTION OF PARTS

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	148		ROMI DCM 620-5X V3.0	U14186H

SYMBOL	POSITION SCHEME	FUNCTION / DESCRIPTION OF PARTS	SUPPLIER CODE	SUPPLIER	ROMI CODE	APPLICATION	
						MACHINE	TYPE
-XFF	84.D7	CONNECTOR	5536003040	PHOENIX	S89466	ROMI DCM 620 5X V3.0	X
-XFG	28.D10	CONNECTOR	5536003042	PHOENIX	S89475	ROMI DCM 620 5X V3.0	X
	61.D7	CONNECTOR	5536003042	PHOENIX	S89475	ROMI DCM 620 5X V3.0	X
	85.D8	CONNECTOR	5536003042	PHOENIX	S89475	ROMI DCM 620 5X V3.0	O
-XFH	46.D7	CONNECTOR	5536003045	PHOENIX	S89478	ROMI DCM 620 5X V3.0	X
	72.C5	CONNECTOR	5536003045	PHOENIX	S89478	ROMI DCM 620 5X V3.0	X
	90.D7	CONNECTOR	5536003045	PHOENIX	S89478	ROMI DCM 620 5X V3.0	O
	93.D11	CONNECTOR	5536003045	PHOENIX	S89478	ROMI DCM 620 5X V3.0	O
-XFJ	17.A8	CONNECTOR	5536003036	PHOENIX	S89460	ROMI DCM 620 5X V3.0	X
	67.C6	CONNECTOR	5536003036	PHOENIX	S89460	ROMI DCM 620 5X V3.0	X
	90.B13	CONNECTOR	5536003036	PHOENIX	S89460	ROMI DCM 620 5X V3.0	O
	93.B6	CONNECTOR	5536003036	PHOENIX	S89460	ROMI DCM 620 5X V3.0	O
-XFL	26.A2	CONNECTOR	5536003117	PHOENIX	T16604	ROMI DCM 620 5X V3.0	X
	71.B12	CONNECTOR	5536003117	PHOENIX	T16604	ROMI DCM 620 5X V3.0	X
	94.B10	CONNECTOR	5536003117	PHOENIX	T16604	ROMI DCM 620 5X V3.0	O
-XFM	36.D6	CONNECTOR	5-881107-0	TYCO	Q61319	ROMI DCM 620 5X V3.0	X
	37.D6	CONNECTOR	5-881107-0	TYCO	Q61319	ROMI DCM 620 5X V3.0	X
	38.D6	CONNECTOR	5-881107-0	TYCO	Q61319	ROMI DCM 620 5X V3.0	X
	93.E11	CONNECTOR	5-881107-0	TYCO	Q61319	ROMI DCM 620 5X V3.0	O
-XFN	40.B6	CONNECTOR	5536003038	PHOENIX	S89464	ROMI DCM 620 5X V3.0	X
	57.B7	CONNECTOR	5536003038	PHOENIX	S89464	ROMI DCM 620 5X V3.0	O
	75.B11	CONNECTOR	5536003038	PHOENIX	S89464	ROMI DCM 620 5X V3.0	X
-XFP	48.B9	CONNECTOR	5536003038	PHOENIX	S89464	ROMI DCM 620 5X V3.0	X
	87.A2	CONNECTOR	5536003038	PHOENIX	S89464	ROMI DCM 620 5X V3.0	O
	87.A5	CONNECTOR	5536003038	PHOENIX	S89464	ROMI DCM 620 5X V3.0	O
-XFQ	62.A4	CONNECTOR	5536003043	PHOENIX	S89476	ROMI DCM 620 5X V3.0	X
	89.B12	CONNECTOR	5536003043	PHOENIX	S89476	ROMI DCM 620 5X V3.0	O
	96.C9	CONNECTOR	5536003043	PHOENIX	S89476	ROMI DCM 620 5X V3.0	X
	104.B2	CONNECTOR	5536003043	PHOENIX	S89476	ROMI DCM 620 5X V3.0	X
-XM121	34.E3	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	X
-XM122	34.E5	CONNECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	O
-XM123	35.E3	CONECTOR	99.8200108	A. SCHWEIGER GMBH	S98883	ROMI DCM 620 5X V3.0	O
-XM136	33.C10	CONNECTOR	-	PHOENIX	T11585	ROMI DCM 620 5X V3.0	X
-XM151	45.E3	CONNECTOR	99.8200109	A. SCHWEIGER GMBH	S98884	ROMI DCM 620 5X V3.0	X
-XM173	21.A4	CONNECTOR	205206-1	AMP	R38079	ROMI DCM 620 5X V3.0	X
-XM191	49.E7	CONNECTOR	99.8200109	A. SCHWEIGER GMBH	S98884	ROMI DCM 620 5X V3.0	X
-XM201	50.E4	CONNECTOR	99.8200109	A. SCHWEIGER GMBH	S98884	ROMI DCM 620 5X V3.0	X
-XM241	79.D2	CONNECTOR	09.33.006.2601	HARTING	Q12374	ROMI DCM 620 5X V3.0	X
-XM251	59.D2	CONNECTOR	09.20.003.2611	HARTING	R94419	ROMI DCM 620 5X V3.0	X
-XM252	60.B2	CONNECTOR	09.33.006.2601	HARTING	Q12374	ROMI DCM 620 5X V3.0	X
-XM411	88.E2	CONNECTOR	09.20.004.2611	HARTING	S19475	ROMI DCM 620 5X V3.0	O

CONFIGURAÇÃO X = STANDARD O = OPCIONAL V = VARIANTE E = ESPECIAL * = FIM DE EFETIVIDADE

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: FUNCTION / DESCRIPTION OF PARTS

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	149		ROMI DCM 620-5X V3.0	U14186H

SYMBOL	POSITION SCHEME	FUNCTION / DESCRIPTION OF PARTS	SUPPLIER CODE	SUPPLIER	ROMI CODE	APPLICATION	
						MACHINE	TYPE
-XM541	103.C4	CONNECTOR	0554720-3	AMP	S37377	ROMI DCM 620 5X V3.0	O
-XM612	89.D2	CONNECTOR	09.20.004.2611	HARTING	S19475	ROMI DCM 620 5X V3.0	X
-XM731	90.D2	CONNECTOR	09.20.003.2611	HARTING	R94419	ROMI DCM 620 5X V3.0	O
-XM752	93.D2	CONNECTOR	09.33.006.2601	HARTING	Q12374	ROMI DCM 620 5X V3.0	O
-XM754	93.D5	CONNECTOR	09.70.006.2813	HARTING	R96134	ROMI DCM 620 5X V3.0	O
-XM755	93.D9	CONNECTOR	09.20.003.2611	HARTING	R94419	ROMI DCM 620 5X V3.0	O
-XM756	93.B9	CONNECTOR	09.20.003.2611	HARTING	R94419	ROMI DCM 620 5X V3.0	O
-XM861	49.E3	CONNECTOR	99.8200109	A. SCHWEIGER GMBH	S98884	ROMI DCM 620 5X V3.0	X
-XM881	77.D2	CONNECTOR	0554720-3	AMP	S37377	ROMI DCM 620 5X V3.0	X
-XM901	51.E3	CONNECTOR	99.8200109	A. SCHWEIGER GMBH	S98884	ROMI DCM 620 5X V3.0	X
-XM911	55.E4	CONNECTOR	99.8200109	A. SCHWEIGER GMBH	S98884	ROMI DCM 620 5X V3.0	X
-XM914	92.D2	CONNECTOR	09.20.003.2611	HARTING	R94419	ROMI DCM 620 5X V3.0	O
-XM915	104.B7	CONNECTOR	0554720-3	AMP	S37377	ROMI DCM 620 5X V3.0	O
-XM916	104.D7	CONNECTOR	0554720-3	AMP	S37377	ROMI DCM 620 5X V3.0	O
-XM917	104.D4		0554720-3	AMP	S37377	ROMI DCM 620 5X V3.0	
-XM918		CONNECTOR	09.20.003.2611	HARTING	R94419	ROMI DCM 620 5X V3.0	O
-XT11	43.B4	TERMINAL BLOCK	-	CONEXEL	R79316	ROMI DCM 620 5X V3.0	X
-XT21	11.C1	TERMINAL BLOCK	284-681	WAGO	S88770	ROMI DCM 620 5X V3.0	X
-XT31	12.C10	TERMINAL BLOCK	280633	WAGO	R60631	ROMI DCM 620 5X V3.0	X
-XT41	14.C2	TERMINAL BLOCK	280633	WAGO	R60631	ROMI DCM 620 5X V3.0	X
-XT42	15.C2	TERMINAL BLOCK	280633	WAGO	R60631	ROMI DCM 620 5X V3.0	X
-XT61	21.D2	TERMINAL BLOCK	280633	WAGO	R60631	ROMI DCM 620 5X V3.0	X
-XT81	26.B3	TERMINAL BLOCK	280633	WAGO	R60631	ROMI DCM 620 5X V3.0	X
-XT131	17.E8	TERMINAL BLOCK	280633	WAGO	R60631	ROMI DCM 620 5X V3.0	X
-XT391	64.D3	TERMINAL BLOCK	C904337.0173	CONEXEL	S42865	ROMI DCM 620 5X V3.0	X
-XT393	23.C2	TERMINAL BLOCK	280633	WAGO	R60631	ROMI DCM 620 5X V3.0	X
-XT491	65.D10	TERMINAL BLOCK	280633	WAGO	R60631	ROMI DCM 620 5X V3.0	X
-Y111	96.D9	OPEN DOOR SOLENOID TOP COVER MACHINING AREA	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	O
-Y112	96.D11	CLOSE DOOR SOLENOID TOP COVER MACHINING AREA	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	O
-Y151	48.D6	TOOL UNLOCK SOLENOID	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-Y152	48.D9	TOOL CLEANING SOLENOID	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-Y231	62.D6	SOLENOID BY-PASS	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-Y232	62.D9	SOLENOID PRESSURIZATION	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-Y691	75.D7	TOOL POCKET FORWARD SOLENOID	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-Y692	75.D9	TOOL POCKET BACKWARD SOLENOID	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-Y693	75.D11	OPEN ATC DOOR SOLENOID	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-Y694	75.D12	CLOSE ATC DOOR SOLENOID	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-Y901	54.D8	UNLOCK B AXIS SADDLE SOLENOID	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-Y902	54.D4	B AXIS SADDLE LOCK SOLENOID	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-Y911	57.D12	TABLE UNLOCK SOLENOID C AXIS	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X
-Y912	57.D7	TABLE LOCK SOLENOID - C AXIS	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	X

CONFIGURAÇÃO X = STANDARD O = OPCIONAL V = VARIANTE E = ESPECIAL * = FIM DE EFETIVIDADE

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: FUNCTION / DESCRIPTION OF PARTS

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	150		ROMI DCM 620-5X V3.0	U14186H

SYMBOL	POSITION SCHEME	FUNCTION / DESCRIPTION OF PARTS	SUPPLIER CODE	SUPPLIER	ROMI CODE	APPLICATION	
						MACHINE	TYPE
-Y1061	95.D4	PNEUMATIC CLEANING SOLENOID	-	SEE MECHANICAL PARTS LIST	-	ROMI DCM 620 5X V3.0	O
-Z11	10.C3	LINE FILTER	ME10539	MURRELEKTRONIK BR IND COM LTDA	J06621	ROMI DCM 620 5X V3.0	X
	10.C10	LINE FILTER	ME10539	MURRELEKTRONIK BR IND COM LTDA	J06621	ROMI DCM 620 5X V3.0	X
-Z141	44.D12	SPARK KILLER	LA4-DA2U	SCHNEIDER	S05057	ROMI DCM 620 5X V3.0	X
-Z142	44.D9	SPARK KILLER	P70D	OMRON	S29526	ROMI DCM 620 5X V3.0	X
-Z231	61.E3	SPARK KILLER	ME 23050	MURRELEKTRONIK	R70891	ROMI DCM 620 5X V3.0	X
-Z241	79.E3	SPARK KILLER	ME 23050	MURRELEKTRONIK	R70891	ROMI DCM 620 5X V3.0	X
-Z251	59.E3	SPARK KILLER	ME 23050	MURRELEKTRONIK	R70891	ROMI DCM 620 5X V3.0	X
-Z611	89.E3	SPARK KILLER	ME 23050	MURRELEKTRONIK	R70891	ROMI DCM 620 5X V3.0	X
-Z691	69.D3	SPARK KILLER	ME 23050	MURRELEKTRONIK	R70891	ROMI DCM 620 5X V3.0	X
-Z731	90.E3	SPARK KILLER	ME 23050	MURRELEKTRONIK	R70891	ROMI DCM 620 5X V3.0	O
	91.D3	SPARK KILLER	ME 23050	MURRELEKTRONIK	R70891	ROMI DCM 620 5X V3.0	O
-Z751	92.E3	SPARK KILLER	ME 23050	MURRELEKTRONIK	R70891	ROMI DCM 620-5X V3.0 - 7 BAR	O
-Z752	93.E9	SPARK KILLER	ME 23050	MURRELEKTRONIK	R70891	ROMI DCM 620 5X V3.0	O

CONFIGURAÇÃO X = STANDARD O = OPCIONAL V = VARIANTE E = ESPECIAL * = FIM DE EFETIVIDADE

REL.	MODIFICATION	MODIF.	APROV.	DATE
H	REVISION: COOLANT MIST EXHAUST	ALLAN	VILALTA	31/01/19
G	CHANGED NUMBER SWITCH - N131	DANILO	VILALTA	12/09/18

REL.	MODIFICATION	MODIF.	APROV.	DATE
F	CHANGE (LADDER/ MACHINE PARAMETERS)	DANILO	VILALTA	22/01/18
E	ALT. K233/913/911/912/903/902/901 OPTOACO.	DANILO	VILALTA	29/06/17
D	REVISION: TABLE I/O PG. 117	DANILO	VILALTA	14/03/16
C	CHANGED BUTTON PG.103,104	DANILO	VILALTA	29/01/16
B	REVISION AFTER PROTOTYPE	ANDREW	VILALTA	23/11/15

DESCRIPTION: FUNCTION / DESCRIPTION OF PARTS

ROMI®

DESIGNED	FERNANDO	11/09/2013	PROJECTION
DRAWER	ANDREW	11/09/2013	SIZE A3
CONTROLLED	VILALTA	11/09/2013	

REFERENCE	SHEET	SCALE	APPLICATION	Nº
ROMI DCM	151		ROMI DCM 620-5X V3.0	U14186H